



2nd China-Spain Innovation Partnership Development Forum

**ENVIRONMENT
TECHNOLOGIES**

**Madrid
May 29th 2013**



科技部火炬高技术产业开发中心
Torch High Technology Industry
Development Center, MOST



MINISTERIO
DE ECONOMÍA
Y COMPETITIVIDAD



Centro para el Desarrollo
Tecnológico Industrial



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PROGRAMME

8:30h - 9:00h Registration

Opening session

9:10h - 9:25h CDTI's International activities
Mr Juan Carlos Cortés, International Programmes Director of CDTI

9:25h - 9:40h S&T Support for Environment Protection in China
Mr Zhang Weixing, Deputy Director General of TORCH

Professional Session- Environmental sector

Moderator: *Mr Luis González, Head of the Department of Foreign Technology Action of CDTI*

9:40h - 9:55h Technological situation in Spain, water: past, present, future. Collaboration opportunities with China
Mr Ángel Cajigas, Executive Director General of ATTA (Technological Association for the Water Treatment)

9:55h - 10:10h Water treatment and reuse industry in Tianjin
Mr WANG Jun, Deputy Division Chief of Northern Technology Exchange Market

10:10h - 10:25h Technological situation in Spain, waste: past, present, future. Collaboration opportunities with China.
Mr Ángel Fernández, President of AEVERSU (Spanish Association of Energy Recovery from Urban Solid Waste)

10:25h - 11:00h Coffee Break

Brokerage session

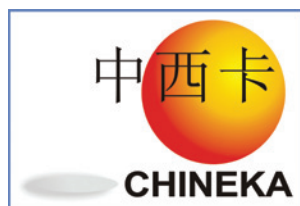
Moderator: *Ms Angeles Valbuena, Department of Foreign Technology Action of CDTI*

11:00h - 11:45h Flash presentations of 5 min. Chinese entities.

11:45h - 12:25h Flash presentations of 5 min. Spanish entities.

12:30h - 14:10h **B2B Meetings**

- Languages for Opening, Professional and Brokerage sessions will be Chinese and Spanish with simultaneous translation.
- Language for B2B Meetings will be English (with consecutive translation Spanish - Chinese in some cases).



Bilateral Spanish-Chinese Program for Technological Cooperation

The Bilateral Spanish-Chinese Program for Technological Cooperation (Chineka) promotes international technological cooperation between entities in Spain and China, through projects led by companies with the goal of promoting the competitiveness of Spanish and Chinese company, by fomenting and supporting the execution of joint technological projects oriented towards the development and/or adaptation of new products, processes or services intended for international markets.

Two or more business entities from both countries can take part in this program. They design and manage a shared project in any technical field. Moreover, the participation of other business entities or public research bodies within the consortium is permitted.

In order to participate in the program, any Spanish company which has an idea for a project must provide CDTI with a brief preliminary report. This report, which should be 3-4 pages long, is focused on the Spanish participation in the project and must state the most notable technical characteristics and commercial feasibility of the project, along with general information regarding the company. This is used as a foundation to be able to give the company a first opinion on the project proposal and to suggest, where appropriate, any modifications or changes in focus that improve upon the project.

Once the project has been defined among all the participants, the Chineka Program form must be submitted to both CDTI in Spain and to the Torch in China, once agreed upon by all the parties. This document must place an emphasis on the project as a whole, the participants' activities and the importance thereof for all of the partners.

Each country, through its managing entities, CDTI in Spain and Torch in China, is responsible for evaluating and later certifying the projects approved with a "seal of quality" that offers the participating companies:

- Added value associated with international cooperation and acknowledgment of the participants' technological level.
- It makes it easier for the companies to get financial aid in each country, in accordance with their own rules and without exchanging funds.

For the Spanish part, CDTI will grant financing to the approved projects under preferential conditions:

The project funding method will be a Partially Reimbursable Grant, up to a maximum of 75% (or 85% in exceptional cases) of the approved total budget, with a reimbursable part and a non-reimbursable part (hereinafter TNR):

- A reimbursable part (with an interest rate of Euribor + 0,1 %) over 10 years, from the balance point of the project, which is calculated according to the duration of the project and the amount of the budgetary milestones. The first repayment will 3 years after the balance point of the project, with a minimum of 2 years after its finalization date.
- A percentage of TNR (non-reimbursable part) refers to a financial hedging of the grant up to 75% of the project budget, up to a maximum of 18%.



Chinese attendants to the Forum

Organization	Position	Name	Web	email
Torch Center, MOST	Deputy Director General	Mr. ZHANG Weixing	www.ctp.gov.cn	
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	Engineer at Administration of Technology Market	Ms. CHEN Yan	www.ctp.gov.cn	
Tianjin S&T Commission	Vice Chairman	Mr. CHEN Qiaolin	www.tstc.gov.cn	
	Division Chief	Mr. QI Yanbin	www.tstc.gov.cn	
Northern Technology Exchange Market	Vice President	Ms. GUAN Huaiming	www.ntem.com.cn	
	Deputy Division Chief	Mr. WANG Jun	www.ntem.com.cn	cobero@ntem.com.cn
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Spanish attendants to the Forum

Organization	Position	Name	Web	email
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Chinese entities profiles



Torch High Technology Industry Development Center

General Information

- **Type of Institution:** Independent Legal Entity
- **Parent organization & Subordinate relationship:**
Affiliated organization to the Ministry of Science & Technology
- **Mission:** The center is committed to strengthen the environment building of technology innovation and promote the development of high-tech industries in China.
- Web Site: www.ctp.gov.cn
- Year of Establishment: 1990
- Budget/financial allocation: 100% public funding
- Address:
18A, Section2, Sanlihe Community, Xicheng District, Beijing, 100045
Tel: 86-10-88656181
Fax: 86-10-88656186

Contact

- Contact Person: Mr. Mo Tan
- E-mail: mot@ctp.gov.cn; guoj1@ctp.gov.cn

Type of services provided

Macro administration and operational guidance for national high-tech zones, technology business incubators; implementation of national programs including Innofund, Torch Program and Key New Products; organizational work of High-tech Enterprise ratification; daily management of technology markets nation-wide; policy study and performance tracking, recommending of policy suggestions and countermeasures; promoting the construction of multi-tier capital markets and establishing international cooperation platforms.

Target Customer

Local government and S&T departments, national high-tech zones, business incubators, various innovation service agencies, high-tech enterprises and tech-based SMEs.

International Cooperation

The center has established long-term cooperation relationships with a dozen of international partners including OSEO(France), CDTI(Spain), TSB(UK), JST(Japan), KICOX(Korea), etc.
In order to promote the globalization of tech-based enterprises, business incubators and high-tech zones, the center has been performing actively in organizing international forums, seminars, match-making events as well as overseas exhibitions to build up effective cooperation platforms. The center has also organized a series of international training programs on science park, business incubators and technology transfer. Sponsored by the Ministry of Science and Technology, these programs are mainly targeted at countries from Central Asia and Africa.



1 - Qinhuangdao Shuanglun Environmental Protection Technology Co.,Ltd

No of employees: 190
Annual Turnover RMB141.12 million
Balance total: RMB125.04 million
Year of latest financial report:

Address: No. 16 Huan Yue St. North Industrial Zone Qinhuangdao
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Postal Code: 066004
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Collaborative R&D Project Proposal:

Technical demand:

1. Small-scale waste water treatment technology for domestic sewage treatment, which can be applied in areas that are hard to be reached by sewage pipe network. Fully automatic equipment that can be built and managed independently is preferred.
2. Sewage treatment agent that are applicable to small river, gutter and fish pond. The treatment agent should be non-toxic, tasteless, degradable and completely natural.

Since our company has set up, we have been committed to protection and management of the environment. The physical adsorption type sewage treatment by our independent research, it is successful applied in urban sewage, industrial waste water, new rural construction and garbage leachate, such as high-concentration waste water to manage and reuse. We cultivate a batch of technical personnel of constructed wetlands treatment, we have dependent ability and guide physical adsorption type sewage treatment equipment in construction, operation and management. This effluent quality has reached national standard. We seek the partner of sewage treatment technology further, and make the treatment have better effect, and investment operation cost is low. Because we have developed market in early stage, have a great marketing channel. We bought the land in 2008, built 20000m² factory, bought related equipment. We can provide processing area, manufacture equipment, installation, experiment area etc. We hope the partner can provide mature technology, related technical equipment, technical feasibility research.

Company description:

Qin huangdao Environmental Protection Technology Co., Ltd was founded in 2000. It is a high-tech enterprise committing to environmental protection and management. It's covered 60000m² and employs 190 people, including more than 40 technical personnel, 5 senior engineers, 6 Dr., 8 Ma. We improve the earth's environmental space as our mission. We center on air pollution prevention, high-tech innovative products and energy conservation. We depend on innovative technology and talents' superiority to form these strategies of "scientific research, innovation, import and development" strategy. We establish three closely-coordinated centers: science & technology research center, achievements transformation-center, , equipment manufacturing center. We supply customized metallurgy high-tech products, air pollution control and treatment, to meet the increasing social's requirements of energy conservation, innovative development and harmonious environmental requirements.

Our company is based on proprietary core technology, has owned 32 proprietary technology now. The main technology and products are including limestone- gypsum flue gas desulfurization technology, magnesium oxide efficient flue gas desulfurization technology, flue gas circulating fluidized bed method semi-dry process technology, F.L Smidth Airtech-GSA semi-dry process technology, SCR denitration technology, physical adsorption type sewage treatment technology etc. These are widely used in metallurgy, building materials, electric power, chemical industry, non-ferrous metallurgical industry and urban sewage, industrial waste water, new rural construction and garbage leachate, such as high-concentration waste water treatment. We provide with design, procurement, manufacture, installation, debugging, system integration overall one-stop service for our customer.

We have technical cooperation with many domestic scientific research institutions in long term, promote high-tech industrialization of research results and foreign advanced technology localization through introduction, digestion, absorption continually. Our company has gradually developed one of the most core competitive enterprises in civil environmental protection industry.

We passed the authentications of ISO9001 International Quality System Certification and IQNet League of Nations in 2003, obtained Import Export License in 2007. Our company and products have been recognized as Chinese environmental protection industry-key enterprise, high-tech technology enterprise in Hebei province, technological innovation demonstration enterprise in Hebei province, famous brand products in Hebei province, Quality Reliable Product in Hebei province and high quality products in Hebei province etc.

Beginning from customer demand, ending in customer satisfaction is our service tenet. We depend on advanced technology, scientific standardized management concept, strong foundation and rich practical experiment engineering technology teams. We have aim of environmental high-tech technology industry, strive to create a green world, contribute to the harmonious environment.

Company products:

Our company's main products is the dust extraction device, desulfurization device, denitration device and sewage treatment device, widely used in metallurgy, glass, building materials, electric power, chemical industry, non-ferrous metallurgical industry and urban sewage, industrial waste water, new rural construction and garbage leachate, such as high-concentration waste water treatment. The products are sold to all over the country. The physical adsorption sewage treatment technology uses porous nanometer physical adsorbent. In the processing, porous nanometer physical adsorbent in the special equipment, form filtering membrane automatically, adsorption of the pollutants and microbe in the water. Microbe make the adsorbent as the carrier, absorb nutrition, breed, change the nature of the microbe in the adsorbent, have the effect of biological treatment. Porous nano physical adsorbent also have the effect of physical flocculation, without any chemical flocculation, can have the effect of slag and water separation, don't have the secondary pollution. The characteristic is that microbe is adsorbed on the physical adsorbent and proceed the biochemical reaction at the same time. This technology process is simple, without biological bacteria cultivation, suitable in all kinds of water load to use. The sewage treatment equipment have been used in Qinhuangdao , Tangshan. This equipment have high heavy metal ions removal rate, the removal rate of P, Zn, Cr, Pb and other ions in sewage is 99.9%, without secondary pollution, the sludge can be recycling and reusing, to realize harmless treatment etc. We receive the customer's satisfaction and high praise.



2 - Tianjin United Environmental Engineering Design Co.,Ltd

No of employees: 111
Annual Turnover 35 million yuan
Balance total: 30 million yuan
Year of latest financial report:

Address: 17 Fukang Road, Nankai District, Tianjin
City: Tianjin
Province:
Postal Code: 300191
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Web site: <http://www.tuee.com.cn/>

Contact person (Position): Zhang Zhiyang (Deputy General Manager)

Telephone

E-mail:

Additional contact (Position):

Telephone:

E-mail:

Collaborative R&D Project Proposal:

Providing technology or equipment support for partners, as well as using and promoting partners' advanced technology or equipment in the field of solid wastes treatment, stink treatment and sludge reduction of sewage plant.

In view of existing situation of domestic water pollution controlling, combined with efficient technology and high-performance environmental protection products in Spain, to carry out innovation and industrialization cooperation, such as technology transfer, joint R&D and so on.

Company description:

The company is founded in 1994, with registration capital of 30 million yuan. And it has passed the ISO9001 international quality management system certification. The company is one of the national high-tech enterprises and technology-based SMEs in Tianjin.

The company has 80 staffs, including 30 workers with senior professional titles, and more than 30 professional registered workers in all types.

Mainly engaged in environmental protection engineering design and general contracting, environmental protection facilities operation, industrial enterprises commissioned water treatment, environmental protection equipment R&D and processing, environmental engineering consulting.

Company products:

The company has passed GB/T19001-2008/ISO9001:2008 and GB/T50430-2007 quality management system certification. And it also has design qualification in environmental engineering (water pollution control, air pollution control and solid waste disposal), engineering consulting, operation of environmental pollution control facilities(industrial and domestic sewage), operation of automatic and continuous monitoring (water) facilities, and environmental engineering contracting. In addition, the company has the safety production license. Being as the R D results transfer base of Tianjin Academy of Environmental Sciences, the company has completed hundreds of large-scale pollution control projects.



3 - Huanke Testing International(Tianjin) Co. LTD.

No of employees:	32
Annual Turnover	10 million yuan
Balance total:	5 million yuan
Year of latest financial report:	
Address:	17 Fukang Road, Nankai District, Tianjin
City:	Tianjin
Province:	
Postal Code:	300191
Telephone:	022-87671962
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E-mail:	mengqinghuihk@163.com
Web site:	http://tj-huanke.com
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E-mail:	

Collaborative R&D Project Proposal:

With the accelerated pace of China's industrial structure adjustment and urbanization, many industrial enterprises have moved to outside the city, situ land is gradually adjusted to residential land, the construction of public facilities and green space and so on. Subject to the limit of environmental awareness, the most venues relocation not carried out any risk assessment and environmental governance, to the venue is once again development and utilization of the human body the health with the soil of environmental safety in the in the process of lay hidden dangers.

China's urban industrial pollution of land in accordance with the type of major pollutants be divided into: (1) heavy metal contaminated sites. (2) persistent organic pollutants (POPs) contaminated sites. (3)-based organic pollution in petroleum, chemical, coking and other contaminated sites. (4) e-waste contaminated sites.

Tianjin Environmental testing company long-term commitment to environmental monitoring Environmental Quality Survey of contaminated sites in recent years, the Company carried out a lot of work, collecting and testing the legacy soil at the site of a number of industrial enterprises in Tianjin, groundwater samples, a basic understanding of the TianjinCity typical industrial enterprises legacy of site environmental quality of contaminated sites and environmental risk assessment has accumulated a lot of practical experience.

In addition, the company is actively preparing to carry out the construction of the contaminated site engineering, and some progress has been made in restoration techniques, but the soil around the background very different, quite different pollutants in the route of transmission in different soil types, the characteristics of the type of transmission medium is different, it is difficult to develop a uniform soil quality standard value of versatility. However, in order to determine the extent of soil contamination, the need to repair or take other measures, such as management needs, most countries have developed a risk-based soil quality guidelines, that is, the concentration of pollutants in soil indicated value or warning value is to determine the initial and identification based on the health risks of the contaminated sites.

At present, domestic land contamination study focuses on contaminated land restoration, identification and evaluation of methods and technical standards for the systematic study of land contamination is still in its infancy. Our existing soil standard system developed earlier and has been seriously lagging behind the progress of the repair technique, which involves the lack of environmental factors and some of the standard value is not reasonable, which makes China's current environmental site assessment and restoration work into passive state, so foreign companies need each other to provide a relatively comprehensive standard system and standard setting for domestic reference.

Company description:

The company formerly known as the Central Laboratory of Tianjin Academy of Environmental Sciences, Tianjin Academy of Environmental Sciences was founded in 1975 under the Environmental Protection Bureau of Tianjin, Tianjin's only municipal comprehensive environmental research and service organization. Since its inception, the Academy of Environmental Sciences has undertaken national, ministerial and municipal major scientific and technological research projects 209, 156 for all levels of scientific and technological progress award. The lab is a ring the ASTRI important research platform, and constantly upgrading after 30 years of construction, formed a stench test, analysis of industrial waste water, ecological surveys as the main character research platform made for the country and the city's environmental research and environmental management an important contribution. "Plan" to the "10th Five-Year Plan" period, has undertaken 160 research projects at all levels, more than 300,000 valid experimental data, to provide a reliable data to support research work.

Central Bureau of Huanke Testing International(Tianjin) Co. LTD of Tianjin Academy of Environmental Sciences for technical support, to engage in air, water, noise, soil, solid waste, ecology, indoor air quality of the environment in the field of detection; company gas detection based on odor pollution in the State Key Laboratory of the only nationwide odor pollution control research laboratory specializing in odor detection and research authority. In addition, the company have strong strength in industrial waste water, micro-organisms and biological detection.

Company products:



4 - Coway International TechTrans Co., Ltd.

No of employees: 50
Annual Turnover 27 Mllion RMB
Balance total: 75 Million RMB
Year of latest financial report:

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City: Beijing
Province: Beijing
Postal Code: 100084
Telephone: +86 10 62795180
Fax: +86 10 62795182
E-mail: coway@coway.com.cn
Web site: <http://www.coway.com.cn>

Contact person (Position): Yanyan CHEN (Assistant President)
Telephone +86 10 62795180 ext. 501
E-mail: chyy@ittc.com.cn
Additional contact (Position): Taohong LI (Deputy Director, Public Service)
Telephone: +86 10 62795180 ext. 609
E-mail: lth@ittc.com.cn

Collaborative R&D Project Proposal:

Company description:

We (Coway International TechTrans Co., Ltd.) are the biggest professional company with years of experience in technology transfer and commercialization in China. With our broad, global network and extensive recourses, we devote ourselves to delivering professional services, including technology transfer, patent licensing, consulting, co-investment & technology incubation as well as public service. We are entrusted by Tsinghua University, one of the top universities in China, to commercialize Tsinghua University's scientific and technological achievements, to carry out technology commercialization and technology management of International Technology Transfer Center (ITTC) of Tsinghua University. We are the state-level technology transfer center recognized by the former State Economic & Trade Commission and the Ministry of Education of the People's Republic of China, the supporting partner for international Scientific & Technological Cooperation designated by Torch High Technology Industry Development Center (Torch Center), the Ministry of Science & Technology of the People's Republic of China, the contract unit for Tsinghua Station, the Capital SCI & TEC Resources Platform designated by Beijing Municipal Science & Technology Commission and the supporting unit of China Innovation Relay Network (CIRN).

Company products:

- I. We devote ourselves to delivering professional technology transfer for both overseas and domestic clients. Our services include the following business models.
 - Transfer know-how, especially the mature industrialized technology and engineering technology by technology agency and trade
 - Technology integration, engineering and redevelopment
 - Customized technology transfer
- II. We devote ourselves to delivering professional licensing service for both overseas and domestic clients. If you are a technology licensor, we would like to help you to find the opportunity of technology licensing or sales in China. With professional method, our experts will evaluate the feasibility of technology licensing or sales in China and provide tailored solution for you. We will carefully identify the authenticity of each requirement and investigate the qualification of the person who needs the technology, which will ensure the security of technology exchange.
- III. We devote ourselves to delivering the following professional consulting services.
 - Low-carbon consulting services (consulting services for enterprises relating to GHG emissions and removals)
 - Packaged market entry solutions (expert insight and advice to overseas enterprises who are interested in Chinese market)
- IV. We devote ourselves to providing the following co-investment & localization
 - Investment on R & D project
 - Creation of start-up company
 - Establishment of joint venture company
 - Localization of international project
- V. We are actively engaged in the public services with relation to technology transfer.



5 - Jiang Hua Group

No of employees: +500
Annual Turnover 147m rmb
Balance total: 244m rmb
Year of latest financial report:

Address: Gao Chen Industrial Park, Sai Te Rd
City: Yi Xing
Province: Jiang Su
Postal Code: 214214
Telephone: +86 (0) 510-87891295
Fax: +86 (0) 510-87897550
E-mail: info@groupjh.com
Web site: www.groupjh.com

Contact person (Position): Jorge Wang Tao (Overseas Development Director)
Telephone +86 13906151905
E-mail: jorgewangtao@groupjh.com
Additional contact (Position): Tonia Tang (Internal and External Technology Relationship Director)
Telephone: +86 13771307268
E-mail: toniatang@groupjh.com

Collaborative R&D Project Proposal:

JH is looking for not only water treatment product, but also technology. We are willing to cooperatate with those companies whom are willing to enter to the Chinese Eviromental Market.

Currently we are looking for international companies to work in Chinese projects, but also international projects. Specially in the fields of petrol chemical plants, desanilation plants.

We are also looking for Universities and Technolgoy insititutes with IP to develop together their project and make it used market wise.

Company description:

Mission

Founded by Mr. Shun Liang Tang. In JH Group, we provide a fast area of services -

Professional in Water Treatment & Development | Environmental Strategy | Water Treatment & Construction Ma-
terials | Architecture & Engineering Consultancy | Renewable Energy | Composite Materials | Soil Remediation |
Sludge Treatment | Water Technology R&D

Our innovative engineering and design, combined with our R&D team provides different range of services to comply the most highest quality demand from our clients.

By unlooking hidden value in our clients' operations, we reuse resources to reduce their energy, waste and environ-
mental footprint, to achieve economic and ecological sustainability.

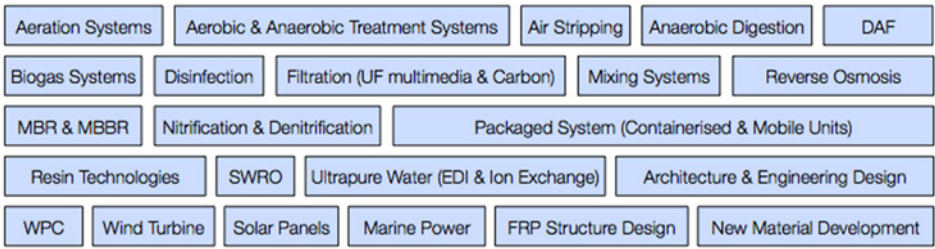
Vision

JH Group is poised to become the leading water solutions and servicing provider serving the middle-large market segment. Through studying each project individually, and having an open mind, we provide to our client not only great water treatment solutions but also transform their way of perceiving water.

“We work with nature, We work for nature.” -

- Chairman & Founder, Shun Liang Tang

Company products:





6 - Yunnan New material incubator co., LTD

No of employees: 50
Annual Turnover RMB900,000
Balance total: 12.8 million
Year of latest financial report:

Address: No.295, Jianshe Road, WuHua District
City: Kunming city
Province: Yunnan province
Postal Code: 650033
Telephone: +86 871 68315559
Fax: +86 871 68315559 8002
E-mail: ynfhq@hotmail.com
Web site: <http://www.ynfhq.com>

Contact person (Position): Liu Pengao (President)
Telephone 13908805459
E-mail: 87070563@qq.com
Additional contact (Position): Zhang Li (Office Director)
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E-mail: 2667507810@qq.com

Collaborative R&D Project Proposal:

Yunnan incubators new material co., LTD., has developed rapidly in recent years , and provided a full range of professional incubator for small and medium-sized science and technology enterprises, including software and hardware support, capital, technology, policy support, and is equipped with four incubation park. To provide continuous optimization of the hatch environment and conditions, low startup, startup costs and business risks, cultivate science and technology industrialist and specialized personnel for the transformation of high-tech achievements of science and technology business enterprise, to provide the necessary marketization and internationalization of science and technology service for enterprise development, continuously developed market competitiveness of high-tech enterprises.

But now incubator enterprises still face some problems: one is the lack of funds, the second is the lack of information, especially the foreign market information and foreign trading partner's information, etc. So the enterprise loses a lot of business opportunities, on the other hand also brings more risk to enterprise internationalization management. Three is the enterprise management knowledge reserves is insufficient, lacks the basic of international trade, international investment, international financial knowledge, such as managers, the limitations of their knowledge, it is difficult to make enterprise in the international market. Macro speaking, professional market exteriorization, internationalization is the inevitable development of the road. And the enterprise itself the existing disadvantage limits the international operation of enterprises. Therefore we hope partner companies can provide more than a few aspects of the support.

Company description:

The website domain name of in Yunnan new material incubator is www.ynfhq.com, and it is the first professional incubators in Yunnan province “by civilian”, provides professional services for the new materials of small and medium-sized enterprises technology innovation service, is the cradle of new materials science and technology, small and medium enterprises technology entrepreneurial innovation.

The principal services offered by our company is: the business guidance, scientific and technological achievements transformation, investment and financing service, hi-tech enterprises incubation, specialized consulting service, communication and training services, policy support, management diagnosis.

Our company has the incubated enterprises 148 homes, the accumulation graduation enterprise 35, accumulative total to create 3000 direct jobs and a number of enterprises in incubation, cumulative application of intellectual property rights 26, approved the 19, made a total of 18 technical achievements, has successfully applied for 26 patents, science and technology achievement awards 6, the identification of high-tech enterprises 10 home. The incubated enterprises total income of 580000000 Yuan, the total industrial output value of about 380000000 Yuan, the added value of 99020000 yuan, total exports of \$850000, net profit of 25870000 yuan, 24100000 yuan of tax. Has had the huge economic and social benefit, promoting high-tech achievement commercialization, industrialization and internationalization.

Company products:

Yunnan new material incubator based on “the whole process of participation, one-stop service, market-oriented operation” mode, by suing hardware, software, direct funds into the support services, whole heartedly offer full range complete service that need from the early start of the business for entrepreneurs and their enterprises :

1. The “hardware” service: incubator has new material research and development in Yunnan province hatching area near million square meters, for enterprise office, scientific research and production houses. There are meeting rooms, conference room, hall; Telephone, Internet, fax, typing, photocopying, printing speed; Parking, security, cleaning, catering, water supply, and electricity supply security and so on.
2. The “software” service: new materials in Yunnan province incubator can help businesses to deal with industrial and commercial registration, financial agency, project evaluation, annual audit, policy consulting, investment consulting, management consulting, achievement appraisal, title evaluation, file management, talent recruitment and training, project feasibility study, application of torch program projects, the recognition of hi-tech enterprises, assist in the economic, legal, principal-agent and so on a series of formalities.
3. The “financing” service: help enterprises explore the financing channels, and to provide service, set all kinds of documents are signed.

After years of development, our company has established four incubation park (hi-tech incubation park, build way incubation park in Kunming, yuxi hi-tech incubation park and southwest forestry college students incubation park), has more than 60000 square meters of hatching area, has a professional lab, new materials production standard factory building, experimental testing center, engineering center, incubator public logistics centers, and equipped with a variety of testing instruments and equipment.

Service team: the existing 23 people, senior titles 6 people, above all have a university bachelor degree or above.

Expert: the existing warehouse nearly thousands of experts, industries involved nonferrous metal, optoelectronic materials, semiconductor, and biological medicine, environmental protection, advanced equipment manufacturing and other fields.

Service platform, professional technical service platform, experimental testing analysis platform, a supporting platform for the development of technology, entrepreneurial financing platform and infrastructure services platform.

Internal mechanisms: a sound organization, perfect management system, the standard service process, Specification of the financial system.



7 - Yixing Huanqiu

No of employees: 389
Annual Turnover RMB 18 million
Balance total: RMB 10800
Year of latest financial report:

Address: No. 30, Renmin N Road, Heqiao
City: Yixing
Province: Jiangsu
Postal Code: 214215
Telephone: 86-510-87871067
Fax: 86-510-87876897
E-mail:
Web site: <http://www.jshuanqiu.com/>

Contact person (Position): Qian Qingqing (Vice General Manager)
Telephone 86-13921309981
E-mail: cindyqian@foxmail.com
Additional contact (Position): Qian Pingping (General Manager)
Telephone: 86-510-87871067
E-mail: cindyqian@foxmail.com

Collaborative R&D Project Proposal:

Company description:

Yixing Global Water Treatment Equipment Co. Ltd is specialized in the design, manufacturing and contracting of the equipment manufacturing, installation and service of water pollution prevention equipment, PVC profile, water purification equipment, water demineralisation equipment, cooling tower equipment, fiber glass products, desulfidation equipment, dust elimination & noise reduction equipment.

Established in 1973, we are one of the earliest providers of water treatment solutions. We currently have a fixed asset of RMB 10 million, a professional team of 98 engineers and 389 employees. The products have been sold to 39682 customers in 69 countries and regions.

Company products:



8 - Northern Technology Exchange Market

No of employees: 40

Annual Turnover

Balance total: 15,000,000RMB

Year of latest financial report:

Address: 248, Baidi Road, Nankai District

City: Tianjin

Province: Tianjin

Postal Code: 300192

Telephone: +86 22 8789 0165

Fax: +86 22 87891047

E-mail:

Web site: www.ntem.com.cn

Contact person (Position): Mr. Zhang Youxuan (Director of Technology Transfer Department)

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Additional contact (Position): Mr. Wang Jun (Vice Director of Technology Transfer Department)

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E-mail: cobero@ntem.com.cn

Collaborative R&D Project Proposal:

Northern Technology Exchange Market (hereinafter as "NTEM") is a national-level technology transfer demonstrative agency approved by Science & Technology Ministry. As the site of the China Innovation Relay Network in Tianjin, NTEM is committed to promoting transfer in scientific and technological achievements and advanced applicable technologies, formed a service system which focus on Tianjin Binhai New Area with a means of docking services and consulting services in order to nurture the little giant enterprises. Remarkable results was approached in the area of accelerating the transformation of scientific and technological achievements, the growth of strategic emerging industries, the cultivation and development of technology-based SMEs.

After 10 years' practice, NTEM has built up powerful networks throughout China, namely Technology Providing Network (TPN), Technology Seeking Network (TSN) and Cooperation Network.

Up to now, Technology Providing Network (TPN) of NTEM composes of 351 members, which almost cover research institutes, universities and technology-oriented companies across 25 provinces, cities and autonomous regions, such as Beijing, Shanghai, Hubei, Jiangsu and so on.

More than 144 liaison offices and technology transfer centers make up of Technology Seeking Network (TSN). These partners are located in 102 cities/counties of 20 provinces, cities and autonomous regions in China. Most of them are departments of local government, which keep in touch with more than 40,000 enterprises.

Cooperation network consists of international cooperation agencies and national cooperation agencies. International cooperation agencies were made up by technology transfer services, intellectual property services, international organizations, research and development institutions that cooperate with NTEM all over the world. For the field of national cooperation agencies, they are Chinese technology transfer organizations that collaborate with NTEM, as well as accounting firms, law firms and other professional services.

Through the cooperation with international technology transfer demonstrative agencies, NTEM is looking forward to information communication, experience exchange, resource sharing and complementary advantages with those agencies that mentioned before, promoting the internationalization of professional service level and multinational production-study-research cooperation, gearing up the internationalization of industrial organizations and industrial activities.

Company description:

Northern Technology Exchange Market (hereinafter as “NTEM”) is a national-level technology transfer demonstrative agency approved by Science & Technology Ministry and Tianjin Municipal Government. Located in BinHai New Area in the east part of Tianjin, NTEM is a technical innovation service agency, which devotes to promoting the commercialization of research findings and the transfer of advanced, applicable technology.

During the process of technical transfer practice, NTEM keeps focusing the mission of promoting the economic development in this area, exploring a “networked-integrated-internationalized” thought of development. From a single service advantages to integrated service advantages, NTEM has formed six service functions, including Information service, Docking service, Intermediary functions, Science and Technology Conference, Technology Property Right Transaction, and International Exchanges and Cooperation.

Through years of construction, NTEM has a database, in which contains more than 10,000 types of information on technology and demand. With the help of web members of supplier and demander, more than 1,200 types of information of technology and demand are updated per year.

Meanwhile, there is dedicated staff of collection, collation, translation, edition and online release on the foreign technology and demand information. Based on the information resources of international cooperation that it has shown on the Internet, NTEM has collected and released more than 200 pieces of information about foreign technology and demand every year.

Company products:

1. Building an international technology trading service platform

NTEM is prepared to build an international technology trading service platform. With the establishment of this platform, NTEM can build a public platform of international information gathering, distributing and integration. With the help of this platform, NTEM can provide such services to Chinese and overseas companies. These services include international technical project, foreign science and technology policy, and docking of supply and demand.

2. Announcing and extending international technological achievements and cooperative information

Aiming at the technical requirement information of foreign technology transfer network, such as Enterprise service network in Europe and Network technology managers association of North America, NTEM is releasing such news to Chinese enterprises, so that these enterprises can understand the latest technical information of foreign enterprises in time, and help Chinese demand side of technology to find proper technology partners; Combining the industrial demand and technical demand, to screen and translate part of technical information overseas, and release it in the local technical transfer and service working platform-North Technology Network.

3. Organizing activities of International Technology Transfer and Achievement Transformation

Based on the leading industry in this area, NTEM is planning and organizing influential international technology transfer and achievements transfer activities, so as to attract both domestic and foreign sci-tech innovation resources and technology transfer resources to the High-Tech District.



4. Launching actions of international technology transfer and intelligence importation

Enhancing good cooperation and communication relations with foreign technical enterprises, trade associations, industry alliances, chambers of commerce, science and technology resources accumulation districts, technology transfer service organizations, scientific research institutions, universities and colleges. Following “Bringing in” and “Going global” strategies, To organize multi-dimension and multi-channel international technological talent-introducing project, NTEM will realize the docking with international high-end industry and overseas talents.

5. To service into enterprises deeply

Targeting 3,000 technical medium and small sized enterprises as main service objects, making surveys in these enterprises, analyzing and diagnosing their demands on technological innovations, to recommend the optimization and the most valuable specific value for enterprises in different fields, different sizes and different stages of development; Through such services as intellectual property, project evaluation, special promotion, and engineering consultation to strengthen research cooperation internationally, and to reduce the cost and the fault of technological innovation.

6. Service enterprises to exploit the international market

To establish cooperative relationship with overseas agencies, and to take advantage of various channels and medium, and the opportunities of attending all kinds of international communication activities to promote and advertise the enterprises within the area for those cooperative partners, and some related science-and-technology enterprises, research and development institutions, and to introduce the cooperative demand between various technical enterprises, in order to help those enterprises to “Go out”.



9 - InterMet Technologies Chengdu Co., Ltd

No of employees: 203
Annual Turnover RMB20,000,000
Balance total: RMB101,044,000
Year of latest financial report: 2012

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Province: SiChuan
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Telephone: 028-87838183
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E-mail: wulin'@yitaicd.com
Web site: www.yitaicd.com

Contact person (Position): Zhang Lihong (Administrative Director)
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E-mail: zhanglihong@yitaicd.com
Additional contact (Position): Guo Qingshong (Manager of Administration Dept.)
Telephone: 028-87838183
E-mail: gqs@yitaicd.com

Collaborative R&D Project Proposal:

- A. Hope to know the techniques circumstances and market demands of the high temperature corrosive fluid or gas filtration in Europe.
- B. Hope to know the developments and market demands of the filtration techniques in metal manufacture fields in Europe.
- C. Searching for the filtration field's expert advisors or organization in Europe.
- D. Hope to know the local business and investment climate in Europe.
- E. Explore policy and place for setting up offices in Europe.
- F. Inspection the environmental of our technology export to Europe.
- G. Searching for business agent.

Company description:

Chengdu Intermet Technology Co., Ltd., founded in August 2007, is a national grade high-tech enterprise. It is founded by international level technical elites (first-class experts in the industry, scholars who once studied in America and doctors) and management elites who once founded and ran listed companies. The company is the sole high-tech enterprise engaged in the development and application of aluminum intermetallic compound asymmetric membrane filter materials.

The company is devoted to the application and development of research and development achievements such as “aluminum intermetallic compound”, the novel inorganic material subsidized by national “863” plan, national “973” plan and “national natural science fund” and realizing industrialization and large-scale production. It has independently researched and developed 115 international level patent technologies (including 2 international PCT patents, 58 patents for invention, and 55 patents for utility model), including advanced preparation technologies for aluminum intermetallic compound porous material and membrane, modern membrane separation technology, and the improved technologies of original production technologies in the industry. The company is able to provide all-dimensional services for helping customers realize clean production and low-carbon production so as to solve hard problems of gas-solid and liquid-solid filtering separation technologies in severe environments such as high-temperature, high-pressure and strong-corrosion environments.

The company has passed the certification of ISO9001:2008 Quality Management System and been awarded “National Key High-tech Enterprise”, “Top-100 Growing Start-up Enterprise in China Returnee Pioneer Park”, “China Most Potential Returnee Star-up Enterprise”, “Sichuan Innovative Enterprise”, “Sichuan Model Enterprise of Key Technical Achievement Commercialization”, and “Chengdu Leading New Material Enterprise” etc.

Iron aluminum, titanium aluminum and nickel aluminum intermetallic compound porous filter materials and membranes researched and developed by the company have the characteristics of excellent acid resistance, alkali resistance, salt resistance, high-temperature oxidation resistance, organic solvent resistance and thermal shock resistance, good processability, easy sealing, etc. They have unparalleled advantages especially in severe environments such as high-temperature and strong-corrosion environments. The membrane filtration technology developed on the basis greatly shortens the production technology flow of industrial enterprises, reduces the production cost, improves product quality and realizes effective resource recovery, energy conservation and environmental protection.

Company products:

The product series of the company mainly include iron aluminum, titanium aluminum and nickel aluminum intermetallic compound membrane filter elements and filter systems, which are applicable to purification of high-temperature sulfurous gases, purification and recovery of high-temperature burner gas, recycle of converter gas (such as TRT), coal chemical industry (such as brown coal hydrogasification, coal to liquid, coal to gas, IGCC, ammonia synthesis and methanol), chloridizing metallurgy (such as TiCl_4), hydrometallurgy (such as CoSO_4 and ZnSO_4), calcium carbide smelting, new energy economy (oil shale, coal gangue, activated carbon, biomass gas production, etc.), gas-solid and liquid-solid separation and purification of eco-protecting field (such as burner gas recovery acid making), etc.

The filtration technology and products of the company represent the first time that the human kind applies membrane separation technology to hydrometallurgy and the first time the purification of high-temperature gas of more than 550°C under severe working condition is realized, bring economic benefits and social benefits winning wide approval of users. The products can bring about tremendous progress in related industry technologies around the globe through popularization and application and represents the most advanced level of the world.



10 -Shangai Panda Machine Group

No of employees: 680
Annual Turnover 660017910.15
Balance total: 981534834.88
Year of latest financial report: 2012

Address: 6355 Ying Gang East Road, Qingpu District surplus
City: Shanghai
Province:
Postal Code: 201706
Telephone: 021-59863888
Fax: 021-59863888
E-mail: chixuecong@sina.com
Web site: www.panda.sh.cn

Contact person (Position): Fang Ning (Assistant to the President)
Telephone 13916075556
E-mail: jsszfn@163.com
Additional contact (Position): Ren Guo Wei (Assistant to the President)
Telephone: 15802117151
E-mail:

Collaborative R&D Project Proposal:

The company has two sets of independent research and development of water treatment products, the zero energy sewage treatment equipment with zero-energy river water treatment equipment. Meanwhile, the company also has its own water treatment technical team and strong sales team. If the cooperation project development, our company can provide technical support and product support, and product promotion&distribution.

We hope the Spain side partners can provide strong technical support under the cooperation partnership of research and development for technology&products.

Company description:

Our company is a high-tech enterprises in Shanghai, pumps, equipment research and development, production, sales as one of the modern large enterprise groups the pump industry overall strength of Shanghai ranked first, Panda Group has six production bases in the country, under the set up 38 branches, with independent intellectual property rights of the largest enterprises in the industry, the construction of buildings with a pump market share ranked first in the country!

Panda Group "energy saving, high efficiency, environmental protection, social services," the mission of more than 260, the national patent, a number of products to fill the gap. Four patented products selected for the "nation-building standard design Atlas 6 patented product is Shanghai high-tech achievement transformation project. Responsible for drafting the "box-type layers of water supply equipment, tank overlying water supply equipment," the two national standards were published in 2009 and 2010, the implementation of.

Company products:

Panda Group mainly produces water pump, box-type the \ tank overlying water supply equipment, zero-energy (sewage) water treatment equipment, zero-energy river water treatment equipment, rainwater reuse treatment equipment, drinking water equipment, electrical control equipment, complete sets of water supply equipment, plate heat exchanger unit, air compressor, washing machine cleaning machinery and equipment. The last three sales: 2010 1.56 billion yuan in 2011, 1.72 billion yuan, 1.98 billion yuan in 2012, of which exports over one hundred million yuan.



11 - Jiangsu Bi Cheng Environmental Protection Engineering Co., Ltd.

No of employees: 168
Annual Turnover 6643.7
Balance total: 7131.4
Year of latest financial report: 2012

Address: Yixing City of Jiangsu Province Gaocheng Town, East Industrial Area
City: Yixing
Province: Jiangsu
Postal Code: 214214
Telephone: 086(0)510-87891576
Fax: 086(0)510-87892769
E-mail: jsbchb@sina.cn
Web site: www.bcep.cc, www.gelai.net

Contact person (Position): Nanhua Li (East Industrial Zone Gaocheng Town Yixing, Jiangsu Province China)
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E-mail: lnh620913@126.com
Additional contact (Position): Chao Shen (East Industrial Zone Gaocheng Town Yixing, Jiangsu Province China)
Telephone: 13812235611
E-mail: shenchao555@126.com

Collaborative R&D Project Proposal:

Jiangsu Bicheng Environmental protection engineering Co.,Ltd.we are committed in researchers to apply biotechnology in the environmental protection industry.In order to implement the national 12th five-year plan outline development,and to couple with the large domestic emerging project possibilities,we are willing to introduce landfill leachate treatment technology for our environmental protection industry in this international exchange. There is no doubt that Europe is more advanced in biotechnology and we want to open the Spanish market and create a Bicheng brand.

1. We want to build a platform for cooperation with relevant goverment departments,mainly including emphasizing the improtance of environmental protection, the discussion and exchange of the biotechnology policy/strategy and other relevant policies and regulations.
2. We want to cooperate with relevant research institutions and institutes, in different phases and ways,management exchange each other.We also want to develop the cooperation in basic research,organize some activities ,such as academic seminars,symposia and training .
3. We wish we can deepen the intellectual property cooperation about key technologies,provide paten protection for our cooperation about biological and technological to protect invention and biodiversity.
4. We want to cooperate with the enterprises concerned including the establishment of joint ventures,a joint production facility.We will try to form the joint research,development and industrialization of the smooth mechanism for the promotion of biotechnology in areas of mutual interest and distribute the interest according to the contribution of the parties.

Company description:

The guidelines of research and development: Under the premise of national sustainable development strategy, China's economic is developing rapidly and at the same time we promote energy saving and environmental protection vigorously, and increase investment in environmental protection efforts. For increasing environmental protection efforts, our country has invested more than 700 billion rmb for environmental protection during the fifteen period. It has become the top priority of the "12th Five-Year Plan" that developing the environment protection industry positively, accelerating the localization of the environmental protection industry, standardization and constructing a modern industrial system. We focus on the development of environmental technology and infrastructure equipment with independent intellectual property rights and we strive to grasp the environmental core technology and key technology.

Although the landfill leachate treatment industry in China rapid growth and the market is expanding under the national industrial policy to vigorously support and treatment standards more stringent double stimulation, the vast majority of firm size is small, low-tech, no independent intellectual property rights and the firms that can really leachate treatment project integration services is very few. At present, domestic firms mainly use the traditional MBR technology for leachate treatment.

Now, we have established research and development alliance with Southeast University and Anhui Agricultural University for landfill leachate treatment technology research and development. It enables us to integrate Institutions of higher learning and technical advantages and corporate capital investment and promote the use of the production. It reinforces the company's core competitiveness of new product development and microbial agents in the treatment of landfill engineering.

At present, we have more than 50 leachate treatment projects to undertake and the projects covered the country's major cities. It effectively solves the landfill leachate pollution and secondary pollution problem and it not only ensures energy saving and environmental protection, but also meet the need to the capacity for sustainable development and it is more conducive to the rehabilitation and construction of a good ecological environment.

Therefore, we keep the only and absolute leading position in the domestic technology to the landfill leachate treatment.

Company products:

The company has developed many years in the landfill leachate treatment industry, so we have a number of professional and technical personnel who are good at microbial technology, environmental protection, water treatment, chemical, electrical and other aspects. We have the key technology of using the microorganism for the treatment of landfill leachate. We have 28 R & D personnel team, leading the industry of independent innovation.

The chairman Mr. Nanhua Li has more than 20 years of the environmental professional work experience. He has long been committed to the research and practice of Microbial Technology Landfill Leachate. Microbial treatment technology for the treatment of landfill leachate can not only completely replace the commonly MBR membrane technology, but also has the following advantages under the premise of the same treatment effect:

1. A significant reduction in the cost of the project investment. Compared with the MBR technology, it can save 30-50 percent of the investment costs.
2. Leachate treatment process is simple, the period of project construction becomes significantly shorter.
3. A greatly reduction in operating and maintenance costs, obviate the membrane cleaning and replacement costs in the process of operation.
4. The process of pre-treatment is rapid to solve the problem of the landfill stench and mosquitoes breeding effectively, the degradation rate of COD and other harmful substances can reach 50%, and this is the MBR technology and other technologies can not be achieved.
5. Compared with the MBR, probiotics can effectively break down the sludge in the landfill leachate treatment process, thus the reduction of sludge volume is about 50%.



The technical level of the company is in the leading position in the industry, the technological content of products is high, comprehensive technical strength is strong, Our company has secondary qualification of the national environmental engineering contractor, products have been awarded the three provincial science and technology achievement awards, and we also assume a national Spark Program and a number of provincial and municipal science and technology R & D projects.

The company has applied for 17 patents, in which 9 has been patented,8 is in the processing. When keeping the BM probiotics in the domestic leading industry, we further develop microbial technology and products applied to different types of industrial wastewater treatment, waste gas and solid waste disposal.

The company mainly provide integrated services for the leachate treatment and environmental protection projects .so far we has received more than 50 projects about leachate treatment, relating to the Middle East, north, central and western.. we have more than 20 sales and sale service distribution network in the domestic provinces, autonomous regions, municipalities directly under the central government, we can ensure to provide users with quick and high quality service and make quick feedback on various advisory. We can detail to the user the product performance, operation rules as much as possible, we can make the user enjoying lifelong service.



12 - Hebei Sun-Water Water Treatment Co., Ltd

No of employees:	26
Annual Turnover	1.432 million yuan
Balance total:	5.949 million yuan
Year of latest financial report:	2012
Address:	Youyi South Street No.46
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Fax:	0311-83053046
E-mail:	zjp39698@126.com
Web site:	www.sangwote.cn
Contact person (Position):	JunPing Zhao (Manager)
Telephone	15081130199
E-mail:	zjp39698@126.com
Additional contact (Position):	LiHui Zhang (Manager)
Telephone:	13513388856
E-mail:	zlhkxy@126.com

Collaborative R&D Project Proposal:

Cooperation project:

Currently we are carrying out a research into the following items:

1. Green environmental protection water treatment technology research and development.

Change traditional single use chemical water processing methods, development of rare earth permanent magnetic, electrostatic and chemical combined water coupling water-saving new technology, new process and three overcome separately using a rare earth permanent magnet or electrostatic treatment the effect not beautiful and separate chemical additives increase enterprise running cost and environmental loads of faults.

2. Environmentally friendly as well as the development and application of high efficient water treatment medication.

Developed is suitable for the complex water quality system, such as high hardness, high alkalinity of the green scale inhibitor dispersing agent, scale inhibitor, corrosion inhibitor, to replace is still in use of phosphorus and petrochemical products as raw material to produce the non-biodegradable chemicals for water treatment, reduce the phosphorus reagents to eutrophication and non-biodegradable the negative effects on the environment.

Cooperation needs:

We are hope each other can be used in industrial water treatment system of environmental protection of water-saving new technology and new type of green water treatment chemicals research and development of technology and application results. Purpose is to improve industrial water reuse rate is low, the water consumption and sewage water status quo, for the enterprise energy conservation and emissions reduction, and effective utilization and saving of water resources.

Company description:

The Hebei sun-water walter water treatment co., LTD is a science and technology enterprise which is established by the Hebei academy of sciences, energy research institute and Hebei academy of sciences. Company is mainly engaged in water treatment, the development and sales of chemical technology product, the consulting services of water treatment engineering technical, the wholesale and retail of water treatment equipment, chemical equipment and energy saving products and so on.

Company products:

Since the establishment of company, we have been committed to the research of new technology of water-saving in industry, the development of environmentally friendly efficient water quality stabilizer, the service and consulting of wastewater reuse technology development, saving water and drainage decrease technology, etc. Company is existing scale corrosion inhibitor, germicidal agent, indicator of rapid detection on water hardness, and other industrial water treatment series of products.

Company provides professional technology and products, and provide guidance and help for the problems and difficulties which arise in the industrial enterprise production process. We believe that through our continuous efforts and pursuit, we will achieve mutual benefit and win-win with customers.



Spanish entities profiles



ADASA Sistemas, S.A.U.

No of employees: 220
Annual Turnover 30 M€
Balance total: 34 M€
Year of latest financial report: 2012

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Contact person (Position): Manuel Farre (Director Product & Solutions Area)
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Additional contact (Position): Jordi Cros (Director R&D)
Telephone: +34 932 640 602
E-mail: jcros@adasasistemas.com

Collaborative R&D Project Proposal:

Our main R & D activity is the development of automatic equipment and analyzers for water quality monitoring.

Company description:

ADASA is a Spanish engineering company set up in 1988, part of the COMSA EMTE group, that offers a portfolio of technological solutions and specialized services in the water cycle operation and the management of the environment in general.

ADASA's services range from conception and design to development and implementation of designed solutions, and also its operation and maintenance. These solutions include monitoring networks, control centers, automation systems, and information and communication systems applied in Hydrology, Meteorology, Water Quality and Air Pollution Control.

ADASA has a subsidiary dedicated to the design and construction of sewage treatment plants, with special emphasis on industrial waste water.

Company products:

Product line for automatic water quality monitoring equipments and software solutions. The products are part of ADASA's knowledge and expertise among more than 25 years.

ADASA develops individual analyzers and complete stations to be integrated in monitoring networks. ADASA also develops the communications systems and control centers needed to operate monitoring networks.

You can find more information of ADASA's products on: www.adasaproducts.adasasistemas.com



AINIA Technology Center

No of employees: 200
Annual Turnover 15 M€
Balance total:
Year of latest financial report:

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E-mail: apascual@ainia.es
Web site: www.ainia.es

Contact person (Position): Andrés Pascual Vidal (Head of Dpt. Q. & Environment)
Telephone +34615883499
E-mail: apascual@ainia.es
Additional contact (Position): Jorge Saludes (International Unit Director)
Telephone: +34961366090
E-mail: jsaludes@ainia.es

Collaborative R&D Project Proposal:

Ainia is looking for Chinese partners in the area of water/sludge/waste treatment to cooperate in new R&D projects.

Main interest areas are:

- Water, wastewater and sludge technologies. Re-Use Technologies and nutrient reduction/recovery.
- Ozone and other oxidizing agents.
- Removal of Emerging pollutants (pharma, cosmetics and chemical pollutant substances).
- Improving Anaerobic Digestion (biogas).
- Municipal Sludge Co-Digestion (with external organic waste).
- Biohydrogen by Dark Anaerobic Fermentation.
- Microbial Fuel Cells and Bioelectrochemical Systems.
- Bioproduction from waste water: biopolymers.
- Best Available Techniques (BATs), LCA (Life Cycle Analysis) and Water FootPrint.

Company description:

Ainia Technological Center (www.ainia.es) is a technological research centre focused in the agro-food sector with more than 900 associated companies with the mission to promote research and technological development. Main figures are listed below:

- 911 associated companies
- 1227 clients
- €15, 5 million in revenue
- 194 professionals on staff
- 19 patents

- 230 R&D&I projects
- 650 technical assistance operations / 283 companies
- 93,000 analytical trials/ 500 companies
- 21,000 active consumers
- 1,830 hours of training given/579 companies
- 22 International assistances/ seminars

Ainia's general services

- Research and Development.
- Technical Support.
- Analytical Services.
- Training.
- Industrial products.

Technological Areas

- Biotechnology
- Nanotechnology
- Food Technology
- Chemical technologies
- Electronics and Communications
- Environmental and Energy Technologies

Applications

- Food and Health
- Food Quality and safety
- Industrial design and production
- Sustainability

Company products:

Some of our recently developed technologies are:

Sludge4Energy (www.sludge4energy.es). Municipal WWTP sludge pre-treatment based on ozone to improve the biogas yield and digestate conditioning. Validated at industrial scale ready for exploitation.

Eco3Cip (www.eco3cip.eu). Clean In Place system for surface cleaning and sanitising at industrial facilities in order to reduce environmental impact (water, OM, energy..) while maintaining food safety. Validated at industrial scale ready for exploitation. Based in ozonecip (www.ozonecip.net) project (LIFE+ Best Project Awarded 2010).

Co-Digestion. Methodology tested at industrial scale to incorporate imported organic waste to be co-digested with municipal WWTP sludge.

Metaniza. On-line software to evaluate the feasibility of biogas plants from agrofood waste. Ready to provide economical feasibility, energy, CO₂, nutrient balances and other information.

Integral-B. (www.integral-b.eu) Integrated sustainable methodology to collect and get value from kitchen waste from restaurants, catering services and hotels. Used frying oil to biodiesel and food waste to biogas sharing logistics and upgrading industry site LIFE+ Best Project Awarded 2013.

RECISAL. Integrated system for food saline wastewater treatment.

REGENA. Wastewater treatment for water polluted with pesticides.

During our 25 years of activity, ainia has been involved in a number of public-private partnerships (PPPs) to achieve successful research and development objectives. One good example is the Spanish PPP Probiogas (www.probiogas.es) which involved during the period 2007-2012 to 28 partners, 13 industries, 14 public/private RTO and IDAE (Spanish Ministry of Industry) with the co-financing support of the Ministry of Science and Technology (MICINN).



AMBIENTA- EFFICIENCY, MANAGEMENT & ENVIRONMENT

No of employees:

Annual Turnover

Balance total:

Year of latest financial report:

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Province: MADRID

Postal Code: 28108

Telephone: 911727682

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Contact person (Position): JESUS BENITO FERNANDEZ (TECHNICAL DIRECTOR)

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Additional contact (Position): MANUEL MONTERO MALMIERCA (SALES MANAGER)

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Collaborative R&D Project Proposal:

DESCRIPTION:

Add value to its customers in the outsourced management of contracted services, and locate business opportunities and development.

WHAT WE OFFER? MAIN ADVANTADGES / BENEFITS?:

Experience over 20 years both on field and in office what makes us different to the rest of engineering and consultancy offering clients the best solution from the point technically, economically and environmentally.

WHAT ARE WE LOOKING FOR?

Collaborations and partnerships with engineering, companies and administration with development a diferent AMBIENTA's water & environmental technology.

Company description:

www.ambientaeme.com

Company products:

PATENTS FOR ENVIRONMENTAL RESTORATION TECHNIQUES

TECHNOLOGY PATENTS FOR WATER TREATMENT

PATENTS FOR WASTE WATER



AMEUR

No of employees: 6

Annual Turnover

Balance total:

Year of latest financial report:

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Fax: 34+93+2040717
E-mail: jgraalo@ciccp.es
Web site: www.grupoeurmex.com

Contact person (Position): Jaime C. Grau (Engineer)
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E-mail: jgraalo@ciccp.es

Additional contact (Position):

Telephone:

E-mail:

Collaborative R&D Project Proposal:

Our task is to look for the best suppliers to match with the needs of our project's client in the fields of treatment water, renewable energy and refuse plants among others.

Company description:

www.grupoeurmex.com

Company products:

We also support financial projects.



AZCATEC TECNOLOGIA E INGENIERIA SL

No of employees: 35
Annual Turnover 1,52 €
Balance total: 162.000 €
Year of latest financial report: 2012

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Web site: www.azcatec.com

Contact person (Position): Daniel García Sevilla (D&I Manager)
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Additional contact (Position): Francisco Lin (Asian Business Development)
Telephone: +34 954 122 992
E-mail: flin@azcatec.com

Collaborative R&D Project Proposal:

AZCATEC offer its knowhow in the different technology specialisation areas:

- Special waste treatment
- Deodorization
- Thermal and power use of landfill biogas (lixivate)
- Bio-methanization and biogas production
- Biomass
- Waste to energy / Waste to fuel
- Water & desalination
- Scaling-up and process industrialization

We expect find potential partners in order to cover three aspects fundamentally:

- We can be a key partner to develop major international projects
- We are looking for technology suppliers for new projects
- May be possible distribution arrangements in Europe and Latin America

AZCATEC has gained after working for more than 25 years has made it a business model in international markets that value talent and knowledge.

Because of agreements and contracts with local, exporting, and multinational companies, we have just as much presence in developing nations as we do in technologically-advanced countries. This has given the company both national and international capabilities.

Recently, AZCATEC has collaborated with large Spanish and foreign projects within various engineering disciplines in Europe, America, and Africa. Now is setting up a commercial office in Peru and Argelia.

In order to work on these international projects, AZCATEC has a large knowledge of international markets and foreign business. It has worked on projects in many languages, including Spanish, English, Italian, German, and French.

Company description:

www.azcatec.com

AZCATEC is a technological SME founded in 1996, focused in design engineering with own research in energy topics. AZCATEC main value is the expertise in development and demonstration activities, from conceptual design to start-up, especially in environmental and energy projects. Thanks our previous experience we are a key partner in the last phases of pilot plant develop and demonstration activities.

Along 15 years of existence we have cultivated contacts with key industrial actors both large companies, public, suppliers and research groups related to energy and environmental industry.

We have cooperated developing (conception, design, engineering, and work supervision) many different plants, for example CSP and tower solar, biomass power, water treatment plants, etc. In the last years we are collaborating in various innovative biomass power and gas-cogeneration plants implementation, developing the complete technical and economic feasibility studies including gasification technologies and others studies with Scandinavian and Latin-American partners so that we are capable of combining technologies for hybridization.

Also we had developed a new system to exploit solar energy in small industrial applications using own design based in Cylinder-parabolic collectors with the aid of FEDER and Andalusia Government.

Company alliances:

National

- Spanish companies in different specialization areas (logistic, agro food industries, mechanical equipment design, aeronautics, etc)

International

- TEKMA (Peru) Energy & environment technologies

Member of Technological Platforms & Associations:

- Environmental Technologies Platform www.pt-planeta.es
- Spanish Biomass Technological Platform www.bioplat.org
- Solar Concentration Platform www.solarconcentra.org
- Andalusian Association for Research & Industrial Cooperation www.aicia.es
- Industrial Engineers Professional Association for Western Andalusia www.coiiaoc.com
- Energy Technicians in Andalusia Association www.atean.es

Company products:

Expertise Services:

- Basic, process and detailed engineering
- Equipment design
- Develop of pilot plants
- Develop of industrial plants
- Scalling-up and new process industrialization
- Purchases and Project Management
- Facilities and utilities for industrial plants
- Works supervision (equipment, works, facilities, instrumentation, etc.)



Any pilot & demonstration plants developed:

Project	Location	Owner
Waste to biofuel pilot plant	Salamanca	BEFESA
Biomass power plant 50 MW	Huelva	GROWING
PPTA-Mine water waste treatment	Sevilla	CLC-HW
PS20-Concentrated Solar Plant (20MW)	Sevilla	ABENGOA SOLAR
La Risca-Concentrated Solar Plant (50MW)	Badajoz	ACCIONA
Biosur-Biofuel production	Huelva	BIOSUR BIODIESEL
Marpol water waste treatment	Cádiz	NAVANTIA

National R&D activities (funds by IDEA Agency, CDTI and FEDER)

- STIGE. Telemetry Intelligent System for Energy Management. 2008-10. On-line management tool to allow optimizing resources, maintenance, consuming and detection of faults in the measuring equipment. It also management and control of billing independently of electricity companies. Own development (100%). Budget: 200,000 €.
- ILIOS. CSP Modular Development for industrial applications. 2010-11. Catalogue of potential applications for low and medium temperature in small industries applications; design of process and feasibility for the most interesting applications detected and pilot plant design. Own development (100%). Budget: 200,000 €.
- DESH. Dehydration technology for treatment of highly contaminated liquid waste and pilot plant predesign. Own-development (100%). Budget: 150,000 €.
- THESTO: Storage of thermal energy for direct steam generation. (ININTERCONECTA). 2012-15. Collaborative project coordinated by Abengoa Solar New Technologies. Budget: 5 MM€.

European Cooperation projects:

- RURALRES: Promotion of energy mini-hydro and miniwind (IEE /07/797 / SI2.499715). Coordinated by Diputación de Huelva. 2009-2011. Technical assistance for the implementation of good practice guides and feasibility studies and environmental impact under the project. 787,000 €
- RecycAl: High Shear Processing of Recycled Aluminium Scrap for Manufacturing High Performance Aluminium Alloys (FP7-ENV-2013). Coordinated by TWI Ltd. 2014-2017. Budget: 3.3 MM €



BALMART SISTEMAS ELECTRONICOS Y DE COMUNICACIONES SL

No of employees: 20

Annual Turnover

Balance total:

Year of latest financial report: 2011

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Web site: www.balmart.es

Contact person (Position): Francisco J. Ballester Merelo (CTO)

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E-mail: francisco.ballester@balmart.es

Additional contact (Position):

Telephone:

E-mail:

Collaborative R&D Project Proposal:

BALMART has extensive experience in research projects since 2006. BALMART has worked in more than 15 national projects and European projects, like Eureka and Eurostars.

Main interests of the company are to improve/adapt his technology to specific markets, designing new hardware and software features. Highlighted topics are:

- Environmental monitoring
- Agriculture/Irrigation management
- Climate Change
- Water Cycle Management
- Optimize Industrial processes

BALMART is looking for alliances in Chinese market, allowing new research opportunities in environmental solutions.

Company description:

BALMART is an engineering specialist in the manufacture and marketing of electronic equipment and radio communications.

The company was founded in 2006 in the area of the Polytechnic University of Valencia (UPV), in order to establish a communication line between the market, the business sector and the work undertaken by the university. Actually is an official Spin-off of the university and is recognized as a New Technology Based Firm.

Since the beginning of its activity, Balmart structure has developed into a dynamic organization with the goal, always present, to offer its customers products and services of the highest quality at a competitive price.

Its environmental monitoring system based on wireless sensor networks has received U.S. patent entitled “Multivariate ENVIRONMENTAL SYSTEM WITH INTELLIGENT SENSING REDUNDANT STORAGE AND TRANSMISSION PATHWAYS”, with number US 7821393. Is the first wireless sensor network designed, manufactured and sold in Europe. Is a communications network that operates on the IEEE 802.15.4 standard.

BALMART has an integrated management system based on UNE-EN ISO 9001:2008 and UNE-EN ISO 14001:2004.

BALMART is also a member of associations such as AFRE (national association of manufacturers of irrigation), KNX (international association of manufacturers of automatisms) and FREESCALE DESIGN ALLIANCE (international association of manufacturers of electronic equipment).

BALMART has contracts with government and authorities in the environmental sector, and with public and private companies.

Company products:

BALMART manufactures a broad range of wireless telemetry equipment (RFREENET System), with applications in:

- Water Cycle Management: water quality monitoring
- Climate change: atmosphere conditions in natural resources; prevent forest fires.
- Smart Agriculture: irrigation control; monitoring water consumption of crops; prevent pests and frosts; improve the efficiency of agriculture.

RFREENET technology is based on autonomous solar cell powered equipment, with free communications costs, compatible with all sensors in the market.

RFREENET allows controlling industrial automatisms and third party equipment.



CARTIF Technology Centre

No of employees: 153
Annual Turnover 9.9 million €
Balance total: 34.7 million €
Year of latest financial report: 2011

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E-mail: external@cartif.es
Web site: www.cartif.es

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E-mail: pedcab@cartif.es

Collaborative R&D Project Proposal:

CARTIF Technology Centre has been working for the last 15 years on projects related to drinking water or wastewater treatment. Thus, we have conducted works on a different scale, including the design/upgrading of industrial wastewater treatment plants or basic R&D studies. Specifically we are developing a research line related to water treatment by advanced technologies: membranes and advanced oxidation processes (such as photocatalysis). Studies related to emerging pollutants removal, energy optimization of the systems or water reutilization are currently being launched.

Our way of funding these projects go through direct signing contracts with companies and / or the application of regional funding programs, national or international.

Technology cooperation

1. Membrane-photocatalytic reactors as an advanced tertiary treatment.

CARTIF background: in the last 4 years, we have been working in the development of an advanced tertiary treatment based on **membrane-photocatalytic reactors**. The possibilities of such technology are huge as the systems are extremely efficient in removing emerging pollutants from water such as disinfection by products (DBPs), endocrine disrupting compounds (EDCs), pharmaceuticals and personal care products (PPCP), surfactants, etc.

Cooperation sought: our current interest is to optimize the configuration and general performance of the system in long-term studies.

2. Decentralized plants for water and wastewater treatment.

CARTIF background: We have a broad experience in water and wastewater treatment, with both conventional and advanced technologies. At this moment we are looking at the development of **two different compact and decentralized plants**:

- Produce drinking water from water sources.
- Produce water for different reuse applications from wastewater.

Cooperation sought: expertise in remote control and monitoring systems, commercialization in new markets.

Company description:

CARTIF (www.cartif.es) is a non-profit organization established in 1994 with main offices at Parque Tecnológico de Boecillo (Valladolid), Spain. Our goals as a research and technology center are:

- To identify technology needs and develop R&D-based knowledge.
- To support technological innovation in Industry, mainly among SMEs.
- To disseminate R&D and innovation results.

CARTIF is one of the Spain's leading research and technology centre employing more than 150 people, including engineers and scientist in 7 research areas (Energy, Environment, ICT, Food and Chemicals, Automation and Process Control, Robotics and Computer Vision). In 2011 CARTIF carried out over 100 R&D and innovation projects, with a turnover of approximately 10M€.

CARTIF's board is formed by 30 organisations, including SMEs, large industrial companies, universities (OTRI) and other organisations.

Moreover, CARTIF is part of 20 research and professional networks—including 13 international—and many technology platforms. CARTIF keeps also a close collaboration with the most representative organisations of regional and national industrial development: Castilla y León Regional Development Agency, the Spanish Ministry of Industry and the European Commission (DG Research, DG Enterprise, DG Environment and DG TREN).

CARTIF activity has an important international dimension: Currently, CARTIF is involved in 20 international projects, with partners in almost all the EU countries, non-EU Mediterranean ones and Latin America. The mainly programmes in which CARTIF participates are: Framework Programme, Intelligent Energy, LIFE, INTERREG, MEDA Programme, etc.

The participation in international activities is promoted through the International Projects Department and is materialised in the current participation of CARTIF in 20 international projects, including 11 of the Seventh Framework Program – 3 as coordinators: DIRECTION (Contract No 285443), BaaS (Contract No 288409), R2CITIES (Contract No 314473), 1 Intelligent Energy Europe and 2 LIFE+ among others). Moreover, CARTIF takes an active part in 10 International networks and platforms such as ISES (International Solar Energy Society) and IEA (International Energy Agency), and it is also the Spanish National Liaison Point of the European E2BA (Energy Efficient Buildings Association).

Company products:

Products:

- Design/upgrading water and wastewater treatment plants,
- Treatment of effluents contaminated with persistent pollutants,
- Plant design for waste energy recovery,
- Design of boilers and gasifiers with CFD software,
- Measurement and control system of air quality,
- Characterization of a biomass fuel,
- Environmental labelling,
- Development of new biomass products,
- Azimuthal coverage follower.



Technological Capacities:

- Water Management,
- Energy efficiency in buildings and districts. SMART CITIES,
- ICT for Energy Efficiency,
- Chemical recycling,
- Pollutant emission,
- Agroforestry productivity Diagnostics,
- Biomass,
- Assessment and sustainable road design

Services:

- Pilot trials biomass combustion
- Business Intelligence (BI) and Decision Support Systems (DSS)
- Modeling air pollutant emissions
- Analysis and characterization of biogas potential methanogenic
- Energy recovery transformed agri-food waste into biogas
- Photocatalytic tests and product development
- Technical feasibility of chemical recycling of PET and PU foams
- Environmental Assessment
- Eco-certification Counseling
- Qualitative assessment of biofuels through NIR
- Services in bioenergy and environmental technology



CIMNE

No of employees: 226
Annual Turnover ~ 10 M€
Balance total:
Year of latest financial report:

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Additional contact (Position): Sonia Sagristá (China Liaison Representative)
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E-mail: ssagrista@cimne.upc.edu

Collaborative R&D Project Proposal:

Two good examples of our collaboration expectations for R&D projects are the following:

1. Decision support systems for prevention and management of flood hazard in urban and rural areas. This topic include simulation tools of floods, neural networks and integrated packages for floods prevention and management, to advance and improve the Ramflood product developed by CIMNE (<http://www2.cimne.com/ramflood/>);
2. Technologies for seawater desalination. An industrial and research line is being developed inspired by the natural water cycle, at a concentrated, controlled and greatly accelerated scaled model. Low complexity evaporation-condensation system, scalable and autonomous, allowing water production with a substantially reduction of the power consumption respect any current existing methods (<http://www.cimne.com/cdl1/vpage/2/62/Research-Lines/Water>).

Company description:

Research and development guidelines

A) Innovative numerical methods for analysis of solids and structures

- Material instability and fracture in concrete structures.
- Constitutive models based on mixing theory for analysis of composite materials and structures.
- Analysis of plate and shell structures.
- Advanced computational methods for holistic seismic risk assessment of buildings and complete urban Areas.
- Analysis of soils and geomaterials in underground structures, dams and slopes under natural hazards.
- Multiscale predictive simulation in protein and bio-membrane mechanics with application in nano-scale and bio-inspired science and technology.

B) Numerical methods for computational fluid dynamics (CFD)

- Incompressible and compressible flows for problems in civil, marine, mechanical and aerospace engineering.
- CFD techniques combining particle-based methods and finite element methods.

C) Innovative numerical methods for coupled problems in engineering

- Finite element procedures for thermal-mechanical analysis of industrial forming processes (casting, welding, metal deposition, etc.).
- Integration of particle-based methods, discrete element methods and finite element methods for multidisciplinary problems in civil, mining and environmental engineering.
- Stabilized finite element methods for thermal-coupled flows and reactive flows with application to aero-acoustics, flows in rotating machines, wave propagation, high temperature flows, magneto-hydrodynamics and optical quality of the atmosphere.
- Treatment of dynamic sub-scales for transient problems in fluid dynamics and electromagnetics. This technology has been applied to complex magneto-hydrodynamic problems in plasma physics and related areas.
- Mathematical models and finite element methods for coupled multi-physics problems in porous materials.

D) New methods for mesh generation and visualization of numerical results

- Procedures for generation of structured-unstructured meshes, clouds of points and arbitrary shape discrete objects for mesh-based and meshless computations in engineering.

Strategic alliances

- **Prof. A. Huan, Institute of High Performance Computing, Singapore**
- **Prof. S.Li, Institute of Mechanics. Chinese Academy of Sciences (IMECH)**
- Prof. D.R.J. Owen, Civil Engineering Dept, Univ. of Swansea, UK
- Prof. R. Jardine, Dept of Civil and Environmental Engng., Imperial College of Science, Technology and Medicine
- Prof. P. Wriggers, Institute for Continuum Mechanics, Leibniz Univ. Hannover
- Prof. K.U. Bletzinger, Dpt of Civil Engineering and Geodesy. Tech. Univ. Munich
- Prof. B. A. Schrefler, Dpt. of Structural and Transportation Engineering, The Univ. of Padova
- Prof. M. Papadrakakis, Institute of Structural Analysis and Seismic Research, School of Civil Engineering. National Technical University of Athens
- Profs. T. J.R. Hughes and T. Oden, Institute for Computational Engng and Sciences. Univ. of Texas at Austin
- Prof. J. Peraire, Department of Aeronautics & Astronautics, Massachusetts Inst. of Technology
- Prof Pierre Ladeveze, Ecole Normale Supérieure de Cachan, France

Competitive position

CIMNE is the world leader research center in the field of computational mechanics and computational engineering in terms of number of publications in JCR journals and number of citations (source :International Association for Computational Mechanics)

CIMNE has been identified as one of the **International Centers of Excellence** on Simulation-Based Engineering and Sciences in terms of scientific production and impact of the research in a National Science Foundation (NSF) report [Glotzer et al., WTEC Panel Report on International Assessment of Research and Development in Simulation Based Engineering and Science. World Technology Evaluation Center (WTEC.org), 2009, <http://www.wtec.org/sbes/SBES-GlobalFinalReport.pdf>]

Company products:

CIMNE has a vocation of transferring the outcome of its RTD activities to the industrial sector. The technology transfer activities of CIMNE is materialized by providing services to companies, using CIMNE based technology and tools and by the exploitation and marketing of CIMNE technology and products via a partnership program with companies.

The CIMNE technology transfer activities are mostly channeled via **CIMNE Tecnología**. The company was created in 2011 as an instrument of CIMNE aiming to industrialise and market at a world-wide level the most advanced technologies developed at CIMNE.



CIMNE Tecnología grants rights of use, processing and market for their own technology in a specific geographical area for an established period. This contract does not change the ownership of the technology.

CIMNE Tecnología acts as an incubator and stakeholder of their companies to promote the commercialization of CIMNE technologies in order to maximize and guarantee their exploitation profit.

The industrial network of CIMNE-owned companies include the following (in order of creation).

STRUCTURALIA S.A. Structuralia provides e-learning and education services to the construction sector in Spain. The company was sold to the US Company KAPLAN (Washington Post holding) in June 2011 (www.structuralia.com).

COMPASS Ingeniería y Sistemas S.A. COMPASS specializes in development and market of software in the civil engineering, naval, marine and offshore sector. COMPASS also provides engineering services in these fields (www.compassis.com).

INGENIA AIE is an industrial cluster formed by CIMNE and 9 enterprises in Spain . INGENIA specializes in technology development and services in aeronautic engineering and the air and surface transport sectors (www.ingenia.aero).

CIMNE TECNOLOGIA S.A. The mission of CIMNE Tecnología is to act as a holding for the different companies created to market the technology and products of CIMNE. (www.cimnetecnologia.com)

SISTEMAS ENERGÉTICOS AVANZADOS, S.A. The mission of Sistemas Energéticos Avanzados (Advanced Energy Systems) is to industrialize and exploit the new information technology and system developed at CIMNE for energy efficiency management in buildings and urban communities.

INERGY S.A. The mission of INERGY is to market the information technology and system developed at CIMNE for energy efficiency management in engineering and architecture. INERGY has also as a partner the company GASSO Auditores SL, specialized in auditing services for municipalities and urban communities. (<http://www.inergybcn.com/?lang=en>)

TECNOLOGÍAS AVANZADAS PARA EL OCIO S.L. Tecnologías Avanzadas para el Ocio (TAOC) (Advanced Technology for Leisure) specializes in providing and marketing services and products of interest to the tourism and leisure sectors. This includes APP and internet services for promoting touristic activities in beaches and sea areas (www.beaching.com) and multimedia activities for the audio and video industrial sectors, among others.

COMPUTATIONAL AND INFORMATION TECHNOLOGY S.A. The mission of Computational and Information Technology (CITECHSA) is to provide engineers solutions to companies using numerical technology and software products developed at CIMNE.

BUILDAIR ASIA-PACIFIC INC BuildAir Asia-Pacific , located in Singapore, specializes in distributing and marketing the inflatable structures and related technology of BuildAir SA in the Asia-Pacific region.

BUILDAIR Ingeniería y Arquitectura S.A. BuildAir specializes in the design, construction, market and maintenance of inflatable structures for a variety of applications in engineering and architecture. The products of BuildAir include small to very large inflatable shelters and pavilions for leisure and industrial activities, aircraft hangars and emergency/logistic services, among other applications. BuildAir also develops and markets inflatable beams and inflatable bridges for application in the civil engineering and construction field, and the emergency and logistic sector, among other applications. (<http://www.buildair.com/en>)

LYNCOS S.L. LYNCOs specializes in offering technology solutions, products and services to companies and organizations in the so-called internet of things sector. (<http://lyncos.com/>)

Some CIMNE Products

Integrated systems and products	CIMNE partner company
Energy efficiency management system	Inergy SL
Inflatable structures (pavilions, shelters, hangars, bridges, etc.)	BuildAir SA
Fresh water production system (desalinization, potabilization, etc.)	Fresh Water Nature SL
Lhings, a cloud platform to provide access to your Things in Internet (http://lyncos.com/LHINGGS_landing.html)	Lyncos SL
Leisure management systems (i.e. www.beaching.com)	Tecnologías Avanzadas para el Ocio SL
Inflatable multimedia pavilions	Mobile Media Experiences SL

Software codes	
Stampack code for sheet metal forming analysis (www.quantech.es/stampack)	Quantech ATZ SA
VULCAN code for casting analysis (www.quantech.es/vulcan)	Quantech ATZ SA
Click2Cast code for fast casting analysis (http://www.click2cast.com/)	Quantech ATZ SA
Fraktalis software platform for the management, communication and cooperative work of organizations, enterprises and communities via internet	CIMNE Tecnología SA
GESTURB code for optimal design of engineering services in urban development areas	CIMNE Tecnología SA
SIGPRO code for support to project management activities in RTD organization	CIMNE Tecnología SA



CTM, Marble, Natural Stone and Materials Technology Center

No of employees: 20
Annual Turnover 1,8 million euros
Balance total: 2,3 million euros
Year of latest financial report:

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Collaborative R&D Project Proposal:

The CTM activities and services are aimed to improve competitiveness and sustainability of the industry of building materials. Stone industry is a sector which requires a lot of improvement in terms of environmental aspects. Since its beginnings, CTM has been working on projects related to heritage preservation and also to recycle and reuse building materials extensively and to execute pilot experiences. Further, we have worked for Environmental Product Declaration (EPD) of Natural Stone.

On the other hand, we have extensive experience in research projects ranging from extractive and manufacturing industries until the construction sector. So, our experience in European Projects is broad, for example, the most recent related to Materials and Energy Efficiency are:

- 2010 – 2014: EE-QUARRY. “Develop of a new modelling and Highly Effective System Energy Management and monitoring technique in order to Improve Energy Efficiency and move to a low CO2 emission in the energy intensive non-metallic mineral industry“. FP7-ENERGY-2009 (ENER/FP7EN/249807/EEQUARRY).
- 2010 – 2014: MIPOLARE. “Post-mined reclamation of landscapes Polluted by Different Means of valorisation of waste“. LIFE09 (ENV/ES/000439).
- 2013 – 2016: SUSTAMINING. “Selective and Sustainable Exploitation of Ornamental Stones Based on Demand” (SUSTAMINING, within 7FP, about optimization of raw materials).ç
- 2012: BELIEFF. Moreover, as a result of the interest of CTM due to energy efficiency and optimization of raw materials, this year we requested FP7 Project (Regions of Knowledge) on resource efficiency in the construction, under the acronym BELIEFF (Life cycle approach: Efficient resources management to reduce material and energy footprint in building sector).

Company description:

Marble, Natural Stone and Materials Technology Center was founded in 1996 as Industrial Association for Research in the Region of Murcia for the support of the Construction and Natural Stone sector. In 2000, CTM expanded its scope to the whole country. Now, CTM has 68 member companies. CTM comprise the following **departments: Laboratory, RTD&I, Natural Resources, Technical Office, Construction, Training and Industrial Safety.**

CTM has a close relationship with other national and international entities such as **Natural Stone Cluster, MARSA, FDP** (Spanish Federation of Natural Stone) and **EUROROC**, which represent **whole industry** of mining and construction of Natural Stone Sector.

CTM can provide technology, knowledge and contacts of manufacturers, end users and others RTD entities for this project; for example, CTM also has a close relationship with other RTD entities on food and wood in our region.

Company products:

The CTM has 2,000 m² of modern facilities and equipment for the RTD&I activities, which include: Scanning Electron Microscope, Atomic Force Microscope, Ground Penetrating Radar GPR, Microwave Curing Resins Line, Ultrasonic Disregard, Contact Angle Meter, Reflection and Passive Seismic, electric tomography, GPS, GIS, 3D Laser Scanner, etc. CTM acquires technology continuously for the sake of being updated on the latest technological advances. CTM has a laboratory accredited by ENAC and apparatus to study nanomaterials.



EDAFOTEC Suelos a la Carta SL

No of employees: 3
Annual Turnover 200.000 Euros
Balance total: 10.000 Euros
Year of latest financial report: 2012

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Contact person (Position): Rubén Leboreiro (CEO)
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E-mail: modogherty@edafotec.com

Collaborative R&D Project Proposal:

Our cooperation proposal is addressed to:

- **INDUSTRY:**
Polluted soils due to industrial processes; Contamination through heavy-metals, toxic elements, (e.g. lindane, VOC), hydrocarbons, etc..
- **AGRICULTURE:**
Damaged, unfertile, unproductive soils.
- **LANDSCAPE:**
Destroyed biotope, erosion- or desertification endangered territories, Damaged territories through natural or human disaster.
- **COMMUNAL/REGIONAL POLICY:**
Conversion /recovery of industrial damaged soils to residential or leisure soils.

Our cooperation proosal is open to:

- Order for a project for a solution of a specific problem
- Financial partner for specific environmental projects
- Participation as a finance investor at EDAFOTEC

We would like to present you in a personal meeting the essential facts of our technologies and discuss our options for win-win solutions.

Company description:

EDAFOTEC SL. was created in Jan 2012 for marketing the technosol and biochar technologies for regeneration of damaged, poisoned soils due to industrial-, agricultural processes or any other cause of serious damages or contamination of soil or water, including landscape restoration.

EDAFOTEC, SL, is based on the experience of over 35 years that the founders bring along.

The target of Edafotec is to become the best address in solutions for recovering soil , water and degraded or contaminated ecosystems. The tool for that purpose is the application of exclusive pioneer technologies, as Technosols/ Biochars and other eco-efficient technologies.

Company products:

We offer win-win technologies for the solution of contamination problems on soil and water. Our know-how is based also in the experience of our partners in overcoming the worst environmental catastrophe and landscape disaster in Spain:

- 1.1. Mine „Aznalcollar“, Andalusia
- 1.2. Oilvessel „Prestige“, Galicia
- 1.3. Mine „Mina de Touro“, Galicia,
- 1.4. Mine „As Pontes“, Galicia

The technosol technology is a win-win technology, because it creates custom-made soils as solution of multiple contamination and landscape problems.

The central benefit of the soil regeneration, goes along with additional utilities:

- a) Carbon sequestration and reduction of CO2 emissions,
- b) Use of waste as inputs (re-use of waste)



Eolincyl I+D,S.L.

No of employees: 8
Annual Turnover 18M euros
Balance total: 1M euros
Year of latest financial report: 2012

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Web site: www.eolincyl.com

Contact person (Position): Javier Bravo (Director of Marketing)
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Additional contact (Position):

Telephone:
E-mail:

Collaborative R&D Project Proposal:

The main aim of this work is to study and to evaluate several biodiesel production processes from microalgae. In order to find the most economical process, different types of cultures (heterotrophic and autotrophic) and some oil extraction methodologies from wet microalgal biomass will be studied.

Moreover, the obtained microalgal residuals (after the oil extraction) will be processed by different techniques with the aim of producing more energetic products as well as biodiesel. These studies will be performed in order to improve the profitability of a "possible industrial plant" by creating a microalgal refinery.

Company description:

Spanish company created in 2007 and dedicated to the field of renewable energy and environmental sustainability. As flagship product has developed a small wind turbine model Garbí.

There are more information in our website www.eolincyl.com

Company products:

- Garbí 150
- Garbí 200
- Garbí 250
- Development of a biodiesel production process from different microalgae cultures
- Development of a biodiesel production, electricity and heat process from olive oil
- Food preservation through electromagnetic fields
- District heating studies and projects developments
- Smart cities studies and projects developments



EPTISA SERVICIOS DE INGENIERIA SL

No of employees: 1,600
Annual Turnover 140 M€
Balance total: 1.4 m€
Year of latest financial report: 2012

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Additional contact (Position):

Telephone:

E-mail:

Collaborative R&D Project Proposal:

Company description:

Company Website: www.eptisa.com

We are an engineering and consultancy company working in 40 countries: Our areas of expertise include Water and Environment, Energy efficiency and RREE, Quality Control, IT Applications for Smart Cities, Transport infrastructures... Our extensive international networking allows us to participate in international collaborative projects. Most recently we have been focused on the R&D applied to the optimisation of RREE Plants (Solar and Wind) as well as on the development of Smart IT Applications for Urban Services.

Company products:

Water Treatment

Waste Management

Waste to Energy

Instrumentation and Control of Water and Transport Infrastructures

Optimisation of wind Farms

Auscultation System for Solar Thermal Plants

Consultancy on Design and Development of Renewable Energy Plans and Roadmaps

Smart City Applications for Urban Service



UNIVERSIDAD DE ZARAGOZA

No of employees: 5,608
Annual Turnover 283,264,817€
Balance total: 437,237,555 €
Year of latest financial report: 2011

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Fax:
E-mail: ciu@unizar.es
Web site: www.unizar.es (www.gestracad.com)

Contact person (Position): Ricardo Aliod (GESTAR RTDI team director)
Telephone +34 974 239 329
E-mail: raliod@unizar.es

Additional contact (Position):
Telephone:
E-mail:

Collaborative R&D Project Proposal:

The aim of the project is to further develop the innovative software products GESTAR, TELGESTAR, including DDS and operational strategies, for integrated management and design of pressurized irrigation water transport networks, including the associated pumping stations.

Goals of the projects are located in three main areas: energy saving, as far as pressurized systems that use pumping stations can significant reduce energy consumption and cost thanks to the technologies developed and integrated as results of the project; water saving by optimum irrigation (timely water application at adequate pressure even in highly demand stressed scenarios), and environmental protection (due to minimal pollutant and erosion impacts associated to pressurized irrigation).

The plants water requirements, determined by farmers or integrated automated forecast systems, are optimum scheduled to fulfil the water demands on time, considering the physical and hydraulic restrictions of the network, at the minimum energy cost. Combining evolutive optimization algorithms, simulation techniques, local sensors, weather forecast tools with the existing real time remote control devices (hydrant programmers, remote signal conditioners and hubs, pumping stations controllers, and central SCADA) large irrigation systems can be automatically managed (and designed) with maximum efficiency at minimum cost.

Partners are search to provide the SCADA environment, sensors integration, remote control technologies and pilot test cases in China.

Company description:

GESTAR is a RTDI Spin off which belongs to Universidad de Zaragoza. GESTAR is focused since 1993 in software development for irrigation design and management- The GESTAR team is leading computational techniques and thier implementation in cutting edge commercial codes, specifically conceived for irrigation engineering, with applications for design and management. The GESTAR RTDI team's is known by their contribution to optimum irrigation design, simulation and remote control by means of sophisticated but user friendly tools. GESTAR products are widely accepted in the Spanish speaking area of influence as the benchmark in advanced software for everyday engineering. Most of the public institutions involved in irrigation in Spain recommend GESTAR as the benchmark (or compulsory) computation tool to be used in modernisation or new projects. Public domain (for medium scale networks) and licensed versions (for large scale systems) are distributed online (www.gestarcad.com). Thanks to multilingual capabilities, further improvements and exclusive performances recently added, the number of users all over the world are continuously expanding, with more than 4.200 registered users.

Consultancy activities are also provided by GESTAR personnel, who has directly design, improved and managed more than 185.000 ha of pressurized irrigation systems.

Company products:

GESTAR 2012: is a significant advance in hydraulic engineering tools for the economical and reliable design, execution and management of pressurized irrigation networks. A unique, cutting-edge product, it uses many innovative techniques, with an interactive graphical interface enabling hydraulic and energy sizing, analysis and management in pressurized systems (distribution networks). Modules for energy consume reduction, optimum pump station design/regulation and irrigation scheduling are also included. AutoCad bidirectional communication enhances the technical performances

GESTAR Crop and Lawn is a special version being adapted to design sprinkle and drip irrigation plots, brining the successful optimum sizing and simulation techniques implemented in GESTAR, to the level of farm design.

TELEGESTAR is an Web Service that seamlessly offers to third parts the powerful GESTAR's tools to any SCADA and remote control system, providing real time control, hydraulic and energy simulation, system supervision and optimum scheduling (for minimum energy cost) of irrigation demands.



IAT – Andalusian Institute of Technology

No of employees: 130
Annual Turnover 10 MM €
Balance total:
Year of latest financial report: 2011

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Collaborative R&D Project Proposal:

IAT wants to develop collaborative Innovation and Technology projects in the following fields:

Regional development. Regional Innovation Systems.

- Strategic Regional Innovation Plans- Sectorial Innovation Plans
- Support the launching and consolidation of clusters.
- Support the creation of Innovation Networks, involving the different key agents within the System
- Support the creation of a technological infrastructure:
- Launch and consolidation of Scientific and Industrial Parks.
- Launch and consolidation of Innovation and Technology Centres.

Management Technologies

- Process-Approach Management.
- Performance assessment Systems in Organisations.
- Design and management of Management Evaluation Systems in Organisations.
- Design and management of Organizations Management Awards Systems.
- Evaluation of Management in Public Administrations.
- Identification of the Needs and Expectations of the Interest Groups and their degree of Satisfaction.
- Production of Sectorial technical guides for implementing Management Systems.

All this in the context of the integration of Management Systems in Quality Management, Environmental Management, Health and Safety Management, Metrological Management, Logistics Management, Social Responsibility Management using the Global Model of “Excellence in Management”.

In company Innovation

- Transfer of Know How relating to Innovation Management.
- Application of models, tools and techniques of Innovation Management to improve products, processes and/or services.
- Strategic plans for SMEs- Diagnostics for companies to detect areas for improvement

Management and Sustainable Development- Environment

- Dissemination, promotion and training in technological aspects related to the Environment
- Support to public administrations for the implementation of European, National and Regional policies related to the Environment
- Promotion of Eco-Innovation by supporting organisations in incorporating technologies and good practices in Environmental Management within their productive processes
- Design and development of Technical Manual and Guidebooks to support organisations in implementing Environmental Management into their processes
- Participation in Technical Committees for Standardisation in order to establish technical standards in the environmental area
- Development of training workshops to support companies in preparing Sustainability Reports

Management and Sustainable Development - Energy

- Energy Efficiency in buildings.
 - Analysis and evaluation of energy demand and HVAC systems.
 - Energy Certification.
 - Promotion activities and training actions in sustainable building and energy efficiency.
- Innovation Projects to improve environmental impact and energy efficiency.
 - Distribution networks for heating and cooling (district heating cooling).
 - Life Cycle Analysis when evaluating the environment impact of buildings.
 - Renewable Energies (Fuel cells, hydrogen, biomass, wastes, etc.).
- Energy Management Systems. UNE 216.301: 2007 Standard
 - Organisation of Conferences: Technical and Dissemination Conferences in the field of energy management.
 - Design of tools to identify and evaluate aspects related to Energy Management Systems.
 - Development of projects in companies to apply evaluation tools in energy management and execution of improvement plans to reduce energy consumption.

Training and People Development

- Transfer of know-how y training using different training modules: Courses, workshops, seminars, conferences, professional meetings.
Main training specialties: Management systems (Quality, R&D+i, Environment, Integrated Systems, People Development), Innovation (Innovation Management, Regional Innovation Systems, Creativity, Project Management)
- Advice and technical assistance to companies for the implementation of Competences management models, geared towards people development.
- Design of specific strategies in the development of personal competences, in line with the organisation's strategy.

Industrial Design

- Industrial Design
 - Products and Processes conceptual, formal and functional design and development.
 - Rout slips, exploded view drawings, documentation, drawings and manuals.
 - Design and development of manufacturing and testing tools.
 - Support for manufacturing line adjustment.
- Analysis and Simulation
 - Product behaviour analysis under static, dynamic, linear and nonlinear loads.
 - Computational fluid dynamics.



- Multiphysics coupled analysis (including electromagnetism).
- Rheological analysis and optimization of plastic injection processes.
- Simulation and optimization of machining processes, stamping and hydroforming.
- Process Simulation
 - Simulation and optimization of manufacturing processes and services.

Supporting internationalisation in SMEs and other organisations

- Support and assistance for SMEs and other organizations to participate in R&D and Innovation Programmes at international level (such as FP7 for R&D+demostration), resulting in an improvement in their competitiveness levels.
- Production of Guidebooks on how-to participate in R&D and Innovation Programmes at international level.
- Preparation, presentation and incorporation into R&D and Innovation projects
- Dissemination, promotion and training in R&D and Innovation Programmes at international level

Studies on Financing Innovation

- Promotion and advise in the creation of Technology Based Firms (TBFs)
- Support on the creation of Networks of Incubators for TBFs
- Advise in the design of Innovation Financing Policies and Strategies
- Regional Studies on Financing Innovation
- Support to the creation of Investors Networks
- Organisation of meetings between entrepreneurs and investors

Company description:

The Andalusian Institute of Technology (Instituto Andaluz de Tecnología, IAT) is a Technological Centre of “Engineering and Knowledge Management” established as a non profit private foundation, recognised as being of public interest. IAT acts under strictly professional criteria, providing Knowledge Intensive Services and developing its own technology.

IAT is a key element in the Andalusian Innovation System, collaborating permanently with all the key agents of the Regional Innovation Systems: universities, SMEs, business associations, public bodies, research groups, etc.

Its mission statement is to assist companies and institutions in improving their results while making them sustainable, providing them Value by using innovative solutions.

IAT’s main objectives are:

- To stimulate Innovation processes and the incorporation of new technologies into companies, especially in SMEs.
- To allow companies to access to national and international Technology Programmes and Plans, as part of the Science, Technology-Business System.
- To contribute to better coordination between businesses, regional authorities, research bodies and other public and private institutions for the enhancement of Regional Innovation Systems.
- To encourage access and diffusion of new technologies into businesses and organisations and to facilitate adopting technological changes.
- To facilitate the exchange of knowledge by promoting Research, Development and Innovation.
- IAT is considered a Technology Centre both at national and regional level. In 1999 was recognized by CICYT as Innovation and Technology Centre and, as of 16 November 2006, IAT was qualified and enrolled in the Andalusian Agents of Knowledge as Technology Centre with registration number AC0002CT, as established in the order of 18 September 2006, which establishes the Qualifications of the Agents of the Andalusian System of Knowledge (Andalusian Official Bulletin BOJA no. 190 of 09/29/06). It was also qualified as a Transfer of Knowledge Institution, according to the aforementioned order.

IAT has implemented a Management System, which has been certified according to UNE-EN-ISO 9001:2000 Quality Management Systems and UNE-EN-ISO 14001:2004 Environmental Management Systems standards. Likewise, the R&D&I activities of IAT are certified according to the UNE 166002:2006 standards R&D&I Management Systems in the fields established in its strategic R&D Plan.

Technological Developments, incorporating New Technologies in the Small and Medium-sized Enterprises (SMEs), studying new means to finance R+TD, designing regional Innovation systems, marketing the results of technological projects or promoting R+TD in Europe are aspects which are extensively covered in IAT's Technological Programmes and Projects Service.

Most of these projects and activities have been developed with and because of the participation in several national organizations such as: FEDIT network (a Spanish federation of Innovation and Technology Organizations), AEC (Spanish Association for Quality Control), AENOR (National Agency for Standardisation and Certification), EOI (Industrial Organization School), CLUB GESTIÓN DE CALIDAD, EFQM (European Foundation of Quality Management) or Technology Innovation International (TII), among others.

Also, IAT is a permanent collaborator with the Regional Government in the definition of Regional multi-annual Plans for Innovation and Technology, Industry and Research.

Furthermore, IAT is a founder member of CITAGRO (Innovation and Technology Centre for agro-food technologies), also participated by regional savings banks, Agriculture Associations and Regional Andalusian Government. This Center has an active presence as Innovation promoter in agro-food sector in Southern Spain.

Moreover, IAT is as well the Andalusian Agency of AENOR (Spanish Association for Standardisation and Certification) and counts therefore on its staff on qualified auditors for different Management Systems.

Although IAT was created with the objective to improve the competitiveness of Andalusian Companies, its activities have been developed all over the national territory, Europe, Africa and Latin America. Within these activities, IAT has been an active member (co-ordinating, alone or in collaboration with other Institutions) in technological projects focused in facilitating the acquisition of new technologies in Spanish Companies (mostly SMEs).

In addition, IAT is the co-ordinator of the Andalusian Innovation Network, a network of 100 Andalusian Enterprises (SMEs), and takes part of the ENTERPRISE EUROPE NETWORK, as CESEAND (Centre for Entrepreneurial Services in Andalusia) and of the EARTO Network (European Association of Research and Technology Organizations), through FEDIT (Spanish Federation of Innovation and Technology Entities).

Company products:

NOTE: See also the previous section about Collaborative project proposal

IAT works in the following areas of activity:

- Regional Innovation Systems
- In company Innovation and Creativity
- Sustainable development- Environment
- Sustainable development- Energy
- People Development
- Industrial Design
- Management Technologies

Its products:

- Evaluation and Improvement of processes, products and services
- Training and capacity building
- Planning and Studies
- R&D&I Management
- Certification



INNOCIVE

No of employees: 50
Annual Turnover 1.763.604 €
Balance total: 1.763.604
Year of latest financial report: 2011

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Collaborative R&D Project Proposal:

Company description:

Established in 1999, INNOVACIÓN CIVIL ESPAÑOLA, S.L. is an Engineering and Consulting firm located in Madrid, specializing in Sanitary and Environmental fields, with the purpose to carry out Advisory, Consultancy and Engineering services in these areas. It specializes in Writing Projects and Project Management within Integral Water Cycle framework and Municipal Solid Waste (MSW) Management as well as in monitoring and environmental analysis.

It has a highly qualified staff, comprised of a technical team that includes Doctors and specialists in the most varied fields of knowledge: Civil Engineers, Technical Engineers of Public Works, Industrial Engineers, Agricultural Engineers, Naval Engineers, Architects, Biologists, Marine and Environmental Science Graduates, Chemical, Draughts men, GIS Operators and Administrators. This group of professionals, conscious of the importance of protecting the environment, counts on the support of a large group of expert advisors in leading fields such as water purification and water treatment as well as the latest computer techniques. Through this, we can master activity in each field, from the purely technical to the most deeply human, including the economic, organizational and legal aspects, utilizing these cutting edge technologies.

Company products:

Within the fields of Civil Engineering, Agricultural Engineering, Architecture and Environmental Engineering, the primary professional services carried out by INNOCIVE are:

- • Conducting Studies, Projects and Works Planning
- • Preliminary performance studies
- • Performance consulting
- • Engineering: Drafts, Bidding Projects, Basic Projects and Construction Projects
- • Work Supervision, Control and Management
- • Health and Safety Coordination
- • Environmental Impacts Studies
- • Environmental Monitoring
- • Research and Development Projects (R&D)
- • Expert Reports
- • Technical Reports
- • Software Development
- • Consulting and Specialized Professional Training



Interra Ingeniería y Recursos

No of employees: 18

Annual Turnover

Balance total:

Year of latest financial report:

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Additional contact (Position):

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Collaborative R&D Project Proposal:

We are permanently committed to innovation as a way to adapt to a continuously changing environment and provide added value and cutting-edge solutions to our clients, always from the perspective of incremental innovation: the expertise provided from each project will be used in the following one.

Currently we are engaged in several major R & D projects with a common denominator: creating institutional intelligence platforms that we expect will become associated services products in the short term intended for placing on the market worldwide.

China currently has 21 biosphere reserves in which our products may apply. Moreover, our products are also applicable to other contexts where it is necessary to measure sustainability: tourism, urban spaces ... We are interested in companies that want to collaborate in the implementation of the product as being our partner.

Company description:

Since its foundation, INTERRA has been working with public and private institutions in the areas of geotechnical, mining, natural hazards, natural resource management and sustainability, with the intensive use of GIS and remote sensing.

The company has shifted to providing practical solutions to problems in public management at the crossroads of ICT solutions to environmental and spatial planning and the proposed innovative projects where tools such as GIS and web platforms play a role.

The experience acquired in the use and generation of geo-referenced variables related to sustainability and natural hazards enables INTERRA to use its accumulated knowledge to create GIS and Web based Decision Support Systems (DSS) to offer structured information to public administrations, companies, and citizens to support their decision-making processes in the areas of territorial sustainability management, infrastructure, and environmental disasters.

In particular, INTERRA is a pioneer in the development of DSS oriented towards the management of Biosphere Reserves and other territories of special interest, as analysis tools which consist of a horizontal functionality core and several vertical layers, which can be customized in order to meet the final customer's necessities and requirements.

Areas of activity:

Sustainability. Development of innovative ICT products and services for the management of territorial sustainability in the field of institutional and business intelligence.

Earth sciences. We provide a wide range of services in the fields of engineering and earth sciences, always ensuring an integrated approach to the project: design, drafting, administrative / authorisation and execution procedures. We develop sustainable mining activities, based on management plans that take into account objective indicators showing the appropriate environmental evolution of the activity (environmental baseline study, action, and monitoring). The ultimate goal: making the least possible impact on the environment.

Company products:

Main products:

Biosphere Smart© is an initiative approved by the UNESCO MaBProgramme¹, with the technological participation of INTERRA. It is a territorial intelligence tool to support managers and responsible officers of Biosphere Reserves, in the framework of the transition to green economies, or following the premises established by the Rio+20 United Nations Conference on Sustainable Development: the sustainable development proposes to “think globally to act locally.”

RBDigital©. Platform for the integrated management of Biosphere Reserves and protected natural areas. Our RB digital solution is conceived as an innovative support for Biosphere Reserves (BRs) that allows a maximum use of advanced information technologies in order to promote the full development of the functions and objectives set by the UNESCO-MaBprogramme.

ModelRisk. Advanced tool for the standardization in natural hazard evaluation and management, based on of quantitative mapping. It allows evaluating and managing natural hazards in an objective and quantitative way, focussing on risks related to floods, slope movements, as well as to seismic and volcanic activities

¹ 24th Session of the International Co-ordinating Council (ICC) of the Man and the Biosphere (MAB) Programme, UNESCO Headquarters, 9 - 13 July 2012. <http://www.unesco.org/new/en/natural-sciences/environment/ecological-sciences/man-and-biosphere-programme/about-mab/icc/icc/24th-session/>



LEITAT – Technological Center

No of employees: >200

Annual Turnover 16 M€

Balance total:

Year of latest financial report:

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Additional contact (Position):

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E-mail:

Collaborative R&D Project Proposal:

OFFER: Support, assessment and coordination of I+D environmental projects

DESCRIPTION:

Support and assessment in I+D environmental projects. Preparation, coordination and technical execution of National and International projects.

We support sustainable growth through the promotion of R+D+I and technology transfer, in the context of creating lasting value for companies, satisfying the changing demands of global market.

TECHNICAL EXPERTISE:

- **Water treatment technologies:** alternative water treatment technologies: electrochemical processes (Electro-coagulation, Electrooxidation, Electrowinning and Electrodialysis), Nanotechnology nanoparticles and nanofibres for water filtration), Biotechnology (enzymes), Microalgae; Advanced Oxidation Processes (Fenton type reactions, heterogeneous photocatalysis, Ozone); Membrane processes (Reverse Osmosis, Microfiltration, Ultrafiltration, Nanofiltration), functionalised membranes for selective filtration; Biological Treatments (aerobic, anaerobic), Microbial Fuel Cells, Wetlands, Biosorption; combined treatments; high added value products recovery and valorisation.
- **Minimisation of water consumption:** optimisation and design of new productive processes, generation of new water resources, water reuse.
- **Alternative energy generation:** energy production from wastewater, energy savings for water recovery.
- **Emergent contaminants detection and quantification:** dyes, drugs, nanoparticles...
- **Waste minimisation and waste valorisation:** optimisation and design of new productive processes, high-added value products isolation and valorisation.

- **Energy from biomass residues and wastes:** feasibility analysis of biomass supply (extracting forest biomass, biomass residues, energy crops, microalgae, sewage sludge, natural drying studies, transportation); physical, chemical and energy valorisation of biomass (feasibility analysis: pelleting/briquetting/chipping, combustion, gasification and pyrolysis technologies, CHP, power generation, composting biological treatments, anaerobic digestion).
- **Air Quality – odours:** indoor and outdoor COV's and odours studies. Chemical and sensor methods, photocatalytic treatment of contaminated atmospheres.
- **Pilot plants design and construction**
- **Life Cycle Assessment (LCA):** environmental assessment of a particular product or process, development of specific methodologies for industrial sectors (tailored assessments).
- **Ecoproducts and Ecoprocesses**
- **Sediment characterization (surface water) and hydrogeological studies**

Type and Qualification of co-operation of the partner sought: **CO-OPERATION TYPE**

- Offered: Technical co-operation
- Offered: Know how in environmental technologies
- Offered / Requested: Investigation co-operation
- Offered / Requested: Common I+D projects
- Offered / Requested: Expertise in National & International Programs

Company description:

LEITAT is a Technological Center, recognized by the Ministry of Economy and Competitiveness, that aims to collaborate with companies and institutions by adding technological value both to products and processes, and focuses its activity on research, development and industrial innovation (R+D+2i).

As Technological Partner, the Center is clearly committed to adaptation to transform the technological challenges into economic and social value. Since its foundation in 1906, LEITAT has prioritized its vocation of proximity by strengthening the principles of professionalism and respect to people and environment at the same time.

Company products:

Some of Leitat R+D areas:

- Advanced water treatment technologies. Recovery of high value-added substances and industrial water recycling technologies. Energy efficiency studies and life cycle analysis. Waste minimisation and valorisation.
- Renewable Energies R & D on new solar cells and solar concentrators, R & D on thermoelectric materials for implementation of Energy Harvesting; biopiles and mass storage Biorefinery.
- Nanomaterials Customized preparation and characterization of new nanomaterials, nanofibers and nanofluids with new advanced properties for application in water treatment technologies.
- Smart Systems R & D in new concepts of intelligent systems based on sensors - actuators; industrial application of the thermoelectricity; new generation and energy transfer methods, applied to water treatment technologies and waste valorisation

Support enterprises in the redaction and coordination of I+D projects, presented into National and International Programmes.



Fundación Parque Científico de Madrid

No of employees: 40
Annual Turnover 3.560.000 €
Balance total: 39.840.000 €
Year of latest financial report:

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Collaborative R&D Project Proposal:

The activity of the Madrid Science Park (PCM) is mainly focused on to the creation and development of companies based on knowledge. Currently, 160 companies are associated to PCM, and several of these companies are focused on environmental and renewable energies. Their services and technologies include the following items:

- Water purification and reuse.
- The study of physical, chemical and biological processes of aquatic ecosystems.
- Development of advanced simulation, control, and operation systems for the different thermosolar technologies.
- Remote control of irrigation systems
- Research on prediction to be applied in the production of Renewable Energies, and especially, in Wind Energy.
- Assessment and analysis of solar energy in potential locations for the exploitation of solar energy.
- Design of DC Converter for photovoltaic solar panels in AC, necessary for their injection in the electrical network.
- Consulting, engineering, research, and technological development in the field of
- concentrated solar energy applications.

PCM, through their Innovation and Technology Transfer Unit, promotes the technologies and capacities of these companies for collaborative, commercial, industrial or licence agreements with other companies and institutions, in order to create products, processes and services that favour social well-being and progress.

Company description:

The Madrid Science Park (PCM) is a joint initiative of the Complutense University and the Autónoma University (UAM) and was envisaged as a decisive force for revitalizing the regional system of R&D. Its aim is to transform the varied scientific know-how and capacity for technological development within the region into sustainable progress and social welfare.

PCM's task is directed towards consolidating a new productive network based on knowledge and new technologies, innovation, hiring qualified staff, the promotion of state of the art research, and interdisciplinary knowledge.

In order to do this, the PCM runs a Business Development Unit designed to support the creation and development of technology based businesses, as well as to transfer knowledge and technology, and Technology Development Units, which provide high level scientific services to public and private research groups.

PCM strongly supports a global internationalization strategy as an essential element to promote R&D, and to transfer the innovating knowledge to society as useful and competitive products and services. This Internationalization strategy tries to promote technology marketing, to capture new companies and the support for the implementation of scientific parks in other countries of the world.

In this sense PCM organizes bilateral forums between agencies from Spain and a certain country about a specific sector. They hold institutional presentations and business meetings.

PCM also actively participates in technology transfer networks, international associations, and agreements with multinational distributors. The following are worth mentioning:

Enterprise Europe Network (EEN): The Madrid Science Park is an active member of this initiative and it offers small and mid-sized businesses from Madrid information and consulting related to business policies and opportunities in EU countries, as well as assistance in technology transfer processes and access to European research, development, and innovation (R&D) programs.

Redemprendia: This Latin American university network for company incubation has different projects in progress: good practices, academic entrepreneurship, learning entrepreneurship, etc., where the Madrid Science Park participates together with the Autonomous and Complutense Universities of Madrid.

Company products:

Besides the technologies and services offered by their companies, PCM also offers a wide range of scientific services available to the research community, hospitals, companies, and public and private laboratories.

More specifically, PCM provides scientific services in Molecular Biology, Proteomics and Industrial Biotransformations, endorsing the standard UNE-EN_ISO_9001:2008. The PCM has the institutional support of Complutense University of Madrid (UCM), Autonomous University of Madrid (UAM), Spanish National Research Council (CSIC), Carlos III Health Institute (ISCIII), and the Energy, Environmental and Technological Research Center (CIEMAT).

Its highly qualified experts and technologists work with the most advanced and innovative technologies and equipment in the following areas:

- Genomics
- Proteomics
- Microanalysis of materials



Spanish Platform for Environmental Technologies

No of employees:

Annual Turnover

Balance total:

Year of latest financial report:

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Collaborative R&D Project Proposal:

Spanish Platform for Environmental Technologies – PLANETA (<http://www.pt-planeta.es/en/>) brings together the public and private sectors in Spain to align the Spanish priorities in RDI with international initiatives.

PLANETA Platform aims to promote collaborative projects in the field of Environmental Technologies and to support Public Administration about strategies, plans and programs in the Environmental Technologies field.

PLANETA offer to Chinese organizations the opportunity to be in contact with a research bodies and innovative companies in Spain and promote collaborative RDI projects between Chinese and Spanish organizations.

PLANETA Platform expects from Chinese organizations (Public bodies, research bodies and companies) collaboration opportunities to promote collaborative RDI projects and knowledge transference between Chinese and Spanish organizations in the field of innovation and Environmental Technologies.

Company description:

The Spanish Technology Platform for Environmental Technologies, (<http://www.pt-planeta.es/en/>), consists of group of organizations focused on the Environmental Technologies sector. Its main goal is to define and promote the implementation of the Strategic Research, Development and Innovation (RDI) Agenda in the field of the Environmental Technologies, integrating activities of other sectoral technology platforms as well as supporting the public administration in its future lines of work and R&D&I programs related to environmental issues.

The strategic lines that have been defined within the Platform framework are the following:

1. Promotion of the eco-innovation
2. Air quality and climate change
3. Global water cycle

4. Efficient management of waste and raw materials
5. Sustainability and environmental technologies

PLANETA Platform involve more than 290 innovative Spanish organizations and has direct link with strategic European initiatives in the field of Environmental Technologies (European Innovation Partnership on Water, European Innovation Partnership on Raw Materials, JPI on Water, etc.)

Company products:

PLANETA Platform offer networking services to promote de collaboration between Spanish and Chinese innovative organizations in the field of innovation and environmental technologies, through workshops, conferences and collaborative tools.



TECNICAS REUNIDAS, S.A.

No of employees: 7.000
Annual Turnover 2.652 M€
Balance total: 2.646.M€
Year of latest financial report: 2012

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Collaborative R&D Project Proposal:

Técnicas Reunidas is a Company leader in turn key projects all over the world. In this Forum we are interesting to be in contact with Chinese companies to develop projects in the followings areas:

1. Waste management plans and studies for Public Administrations
2. Urban Waste (UW) treatment plants
 - 2.1 OFMW biometanisation plants
 - 2.2 OFMW composting plants
 - 2.3 Waste plants (grey line)
 - 2.4 Container plants (yellow line)
 - 2.5 Pneumatic waste collection networks
 - 2.6 Transfer stations
 - 2.7 Clean points and urban facilities
3. Urban waste dumps and controlled deposits
4. Construction and Demolition Waste (CDW) plants
5. Biomass energy exploitation plants
6. End-of-life tyres
7. End-of-life vehicle recycling plants
8. Battery and fluorescent tube recycling facilities
9. Voluminous waste reception and treatment facilities
10. Fridge treatment plants with treatment of CFC and inertisation of pentane
12. Brown line and WEEE plants
13. Hazardous waste plants and safety deposits
14. Thermal drying of sludge with energy exploitation

15. Thermal treatment and thermal exploitation of waste plants.
16. Waste Derived Fuel (RDF) plants

Company description:

We are an international general contractor, engaging in the engineering, design and construction of various types of industrial facilities for a broad spectrum of customers throughout the world, including many of the principal national oil companies as well as several multinational companies.

We are the leader for engineering and construction in the oil and gas sector in Spain, one of the leaders in Europe in the design and construction of oil and gas facilities, and one of the world leaders in the refining sector.

Most of our business is concentrated on large turnkey industrial projects, although we also provide engineering, management, start-up and operating services for industrial plants.

Company products:

A.- Studies

1. Market and Feasibility Studies
2. Project Finance Studies
3. Research and Development
4. Risk and Environmental Studies
5. Efficiency and Improvement Studies

B.- E.P.C.

1. Process Studies
2. Basic Design
3. FEED/FEL
4. Detail Engineering
5. Procurement Services
6. Engineering Procurement, Construction Precommissioning, Commissioning and Start-up
7. Integrated services under LSTK.

C.- Support Services:

1. Operation
2. Maintenance
3. Training
4. Project Management



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