



TECNICAS REUNIDAS

INFRASTRUCTURES AND ENVIRONMENT

Water, Waste management and Treatment

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Business Areas

Infrastructures and Environment



Refining and Petrochemicals



Power

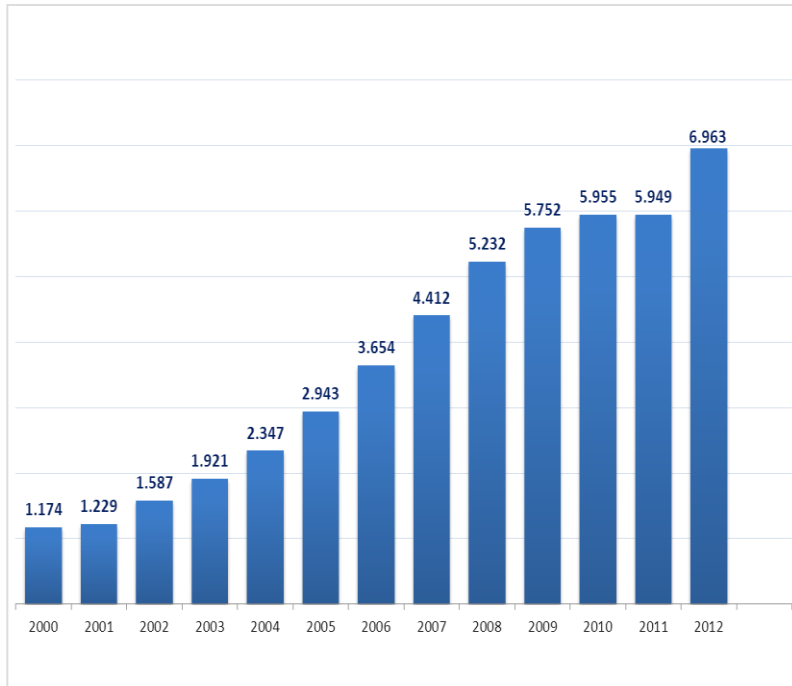


Natural Gas and Upstream



Human resources and location

TECNICAS REUNIDAS has head offices in Madrid with over 68,000 sqm office space



TECNICAS REUNIDAS has 3 engineering centers and 20 commercial branch offices Worldwide

TECNICAS REUNIDAS has worked in more than 50 countries



Highlights

RECENT PROJECTS

MAIN NUMBERS (2006-2012):

PROJECTS VALUE > 25,000 M\$

≈ > 8,500,000 EPC Hours/year

≈ > 1,500 M\$/year Purchases

≈ > 30.000.000 Construction hrs/year



Técnicas Reunidas International Presence

19 engineering and commercial branch offices Worldwide



Técnicas Reunidas is the leading Spanish engineering company in Industrial and Infrastructures sector

More than 1600 references in 50 countries vouch for our presence in the national and international market for over 40 years. We have recognized experience in the integral development of projects of great importance (Studies, Engineering, Supply, Construction, Start-Up and >Operation

We have more than 6000 professionals and specialist in all technical disciplines

Studies	E + P + C	Support Services
<ul style="list-style-type: none"> • Market and Feasibility Studies • Project Finance Studies • Research and Development • Risk and Environmental Studies • Efficiency and Improvement Studies 	<ul style="list-style-type: none"> • Process Studies • Basic Design • FEED/FEL • Detail Engineering • Procurement Services • Engineering Procurement, Construction Precommissioning, Commissioning and Start-up • Integrated services under LSTK. 	<ul style="list-style-type: none"> • Operation • Maintenance • Training • Project Management

Business Areas

**Infrastructures
and Environment**



**Refining and
Petrochemicals**



Power



**Natural Gas
and
Upstream**



**Process and
Own
Technologies
Division**

Areas of activity in the water management sector

1. Planning Studies
2. Supply water infrastructures
 1. Desalination plants
 2. Drinking water plants
 3. Pumping station and pipelines
 4. Dams, reservoirs and tanks



**REVERSE OSMOSIS DESALINATION PLANT.
PERTH (AUSTRALIA)**



**REVERSE OSMOSIS DESALINATION PLANT.
OROPESA (SPAIN)**

2. Irrigation

1. Distribution networks
2. Pumping station and pipelines
3. Dams, reservoirs and tanks



**EARTH DAM AND HYDROPOWER PLANT
ARENOSO, CORDOBA (SPAIN)**



**CONCRETE DAM (RCC TECHNOLOGY)
LA BREÑA II, CORDOBA (SPAIN)**

Areas of activity in the water management sector

3. Sewage and wastewater

1. Sewage networks
2. Urban Wastewater plants
3. Industrial Wastewater plants



**WASTEWATER TREATMENT PLANT.
TORRE DE COTILLAS (SPAIN)**



**WASTEWATER TREATMENT PLANT.
PERELLO (SPAIN)**

1. Urban Waste (UW) treatment plants

- 2.1 OFMW biomethanisation plants
- 2.2 OFMW composting plants
- 2.3 Waste plants
- 2.4 Container plants

**WASTE TREATMENT AND BIOMETHANISATION PLANT.
VALDEMINGÓMEZ (VALORGA dry technology)**



- 2.5 Pneumatic waste collection networks
- 2.6 Transfer stations
- 2.7 Recycling points and urban facilities

3. *Urban waste dumps and controlled deposits*

3.1 *New dumpsites*

3.2 *Sealing and environmental restoration of old facilities*

3.3 *Facilities for dump biogas exploitation with energy recovery or enrichment for use in transport*

3.4 *Leachate treatment facilities*

MUNICIPAL SOLID WASTE COMPOSTING PLANT AND LANDFILL IN CAUDETE DE LAS FUENTES (SPAIN)



4. *Construction and Demolition Waste (CDW) plants*

4.1 *Recycling plants using crushing and sifting*

4.2 *Inert and sealed dumps*

Areas of activity in the waste management sector

- 5. Biomass energy exploitation plants
- 6. End-of-life tyres plants
- 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
- 11. Brown line and WEEE plants



URBAN WASTE TREATMENT PLANT. ONDA (SPAIN)

12. Facilities for the treatment, recycling and exploitation of waste and emissions from industrial facilities

BIOSOLID THERMAL DRYING PLANT. MÁLAGA (SPAIN)

13. Hazardous waste plants and safety deposits

14. Thermal drying of sludge with energy exploitation



15. Plants for the recycling and adaptation for the later use of different waste separated at the sorting plants:

- ☐ Plastics
- ☐ Paper and cardboard
- ☐ Glass
- ☐ Metals

16. Thermal treatment and thermal exploitation of waste plants:

- ☐ Incineration
- ☐ Pyrolysis
- ☐ Plasma
- ☐ Gasification

17. Waste Derived Fuel plants

18. Energy optimisation of operating facilities









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