

R&D COLLABORATIVE PROPOSAL / **COMPANY PARTNER SEARCH**

The information you are about to provide in this form will be distributed among Spanish companies matching your company profile and that might be interested in the proposal of collaborative R&D project that you will be describing in this form. (Please use English language for filling in the document)

In the case that your company will establish a R&D project in collaboration with a Spanish company, you could present a Joint Project Proposal to the CHINEKA Program.

YOUR ENTITY PROFILE

Name: Jilin Electric Power Research Institute Co., Ltd

Number of employees: 200

Annual turnover: 11562000 USD.

Balance Total: 14660846 USD.

Year of latest financial report: 2019

Address: Room 708, unit 1, sunshine apartment, 2000 Qianjin Street, high tech Zone

City: Changchun

Province: Jilin Province

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Additional Contact:

Position:

Telephone:

Email:

COLLABORATIVE R&D PROJECT PROPOSAL

(Describe as precisely as possible the technology cooperation proposal.
Describe what you have to offer and what you expect from your potential partner) Include: Sector Group; Abstract of Project; Innovations Offered; and Current State of Development

Title	Research on health status assessment and equipment remaining life prediction of wind turbine driven by big data		
Duration (YM- YM)	2021, January - 2023, December		
Budget(1,000 Euro)	SPAIN	CHINA	TOTAL
	300	300	600
Technology Field (Click a box)	<input type="checkbox"/> Smart Cities <input type="checkbox"/> Production Technologies, <input type="checkbox"/> Biomedicine and Technologies for Health, <input type="checkbox"/> Environment technologies <input checked="" type="checkbox"/> Clean Technologies <input type="checkbox"/> Modern Agriculture <input type="checkbox"/> Advanced Materials. <input type="checkbox"/> Others		
Summary	<p>In view of the various fault problems in the operation of wind turbine, how to effectively reduce the loss and avoid the occurrence of major faults is an urgent problem to be solved. The project plans to carry out the following research:</p> <ol style="list-style-type: none"> 1. Development and utilization of wind energy resources. 2. Construction of multi-dimensional state monitoring system for wind farms. 3. Unit reliability assessment, dynamic early warning and intelligent fault diagnosis based on multi-dimensional condition monitoring. 4. Residual life prediction of rotating parts of wind turbine. 		

SPANISH PARTNERS

(When you know a potential Spanish company, write its name and contact details in this section) Please, make a description of the desire type of Spanish Technology Partner.

It has certain basic conditions for wind energy development and utilization; can form a research team to support specific research work; has published relevant academic papers and achieved corresponding research results.

YOUR ENTITY DESCRIPTION

(Entity Website, Research and development guidelines, strategic alliances, competitive position, etc)

(The minimum information to show the potential of your company)

The related research projects undertaken are as follows:

1. Research on wind power output and load based on big data and its application in wind power accommodation
2. Research on Key Technologies of clean energy consumption based on source grid load linkage.
3. Research on Fault Diagnosis Technology of wind turbine inverter control system

<p>YOUR ENTITY PRODUCTS (Technologies, applications, services, etc)</p>

(The minimum information to show the potential of your company)

- (1) A set of advanced fault diagnosis technology. Advanced wind turbine control and detection technology.
- (2) Big data mining technology platform.
- (3) Complete wind turbine data monitoring system and platform.