

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: Innovation Centre Of Industrial Big-Data

Number of employees: 63

Annual turnover: 152.1199 Million CNY

Balance Total: 5288.93 Million CNY

Year of latest financial report: 2021

Address: No. 11, Tongxing Road, Tongxing Industrial Park, Caijia, Beibei District, Chongqing

City: CHONG QING

Province: CHONG QING

Postal Code: 400074

Telephone:

Fax:

Email:

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Contact: Mr. Lin quan Zhu

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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	(Do not exceed 120 characters) End to end manufacturing based on industrial Internet identification analysis + digital twin		
Duration (YM- YM)			
Budget(1,000 Euro)	SPAIN	CHINA	TOTAL
Technology Field (Click a box)	<input type="checkbox"/> Smart Cities <input checked="" type="checkbox"/> Production Technologies, <input type="checkbox"/> Biomedicine and Technologies for Health, <input type="checkbox"/> Environment technologies <input type="checkbox"/> Clean Technologies <input type="checkbox"/> Modern Agriculture <input type="checkbox"/> Advanced Materials. <input type="checkbox"/> Others		
Summary	<p>Abstract:</p> <p>Focusing on the needs of intelligent manufacturing in the industrial field, build a full life cycle end-to-integrated collaborative manufacturing platform for industrial products based on the industrial Internet and digital twins, and integrate with existing ERP, MES, WMS systems, and factory hardware equipment to realize products Co-manufacturing throughout the entire life cycle. Realize the full life cycle of product design, simulation, manufacturing process, logistics, operation and maintenance, end-to-end data integration and manufacturing collaboration, create a typical industry model benchmark, support scientific research and talent training, and promote the development of intelligent manufacturing in the industrial product industry.</p> <p>Here are five key points about the project:</p> <ol style="list-style-type: none"> 1. Realize automatic matching and quality tracking of materials based on industrial Internet identification analysis technology. 2. Realize automatic matching of production process methods based on industrial Internet identification analysis technology. 3. Realize the identification of data and algorithms based on industrial Internet identification analysis technology, and provide data services for digital twins. 4. Use digital twin technology to optimize the production process and solve uncertain factors. 5. Realize end-to-end manufacturing. <p>Project innovation:</p> <ol style="list-style-type: none"> 1. Based on the industrial Internet logo analysis technology, realize the traceability of the product life cycle. 2. Production product data life cycle management based on the digital twin to maximize the value of production and manufacturing data. 		

	<p>3. Solve many uncertain factors affecting product quality in the production process and optimize the production process and product design based on industrial Internet identification and analysis technology + digital twin.</p>
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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.

YOUR ENTITY DESCRIPTION

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

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

Chongqing Innovation Center Industrial of Big Data Co., Ltd. (hereinafter referred to as "Innovation Center") is jointly established by the four major forces of Chongqing Municipality, the Ministry of Industry and Information Technology, China Aerospace Science and Industry Corporation, and Tsinghua University, with the goal of creating a world-leading industrial big data innovation ecosystem. Committed to building a national manufacturing innovation center. It has provided cloud services for more than 4,000 companies and realized tens of thousands of industrial equipment on the cloud. The company is the governing unit of the Industrial Internet Alliance and the leading unit of the Industrial Big Data Alliance.

The Innovation Center relies on the only national platform in the field-the National Engineering Laboratory of Industrial Big Data Application Technology, and undertakes the Ministry of Industry and Information Technology "Industrial Internet Identification Analysis Secondary Node (Petrochemical Industry)" "Industrial Key Equipment to Cloud", Ministry of Science and Technology in 2019 "Network collaborative manufacturing and smart factories" and other major national engineering and scientific research projects, building a national regional characteristic industrial Internet platform, a national industrial characteristic industrial Internet platform, and a national post-doctoral workstation. It is the first batch of manufacturing innovation centers in Chongqing, the top ten industrial Internet platforms of Chongqing, the key software and information service enterprises of Chongqing.

The Innovation Center relies on the support of innovative ecological platforms such as the National Engineering Laboratory of Industrial Big Data Application Technology, Industrial Big Data Research Institute, and Industrial Big Data Innovation Alliance. Research on common key technologies of industrial big data, industrial manufacturing digital twin technology, industrial big data security technology, and industry-oriented industrial big data application technology" four key scientific research technology fields, carry out "frontier technology, common key technology, industry application solutions" The three major directions of scientific research and technology research also point out the direction for the innovation center's technology research and development, achievement transformation, technical services, and promotion and application.

YOUR ENTITY PRODUCTS
(Technologies, applications, services, etc)

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

Chongqing Innovation Center Industrial of Big-Data Co., Ltd. (hereinafter referred to as "Innovation Center") is affiliated with the Aerospace Cloud Network Company under the Aerospace Science and Industry Group. It is the earliest practitioner of industrial Internet research and construction in China. With the goal of building a world-leading big data innovation ecosystem, the company is committed to becoming a data and knowledge operator and a bridge and enabler of data applications, mainly providing big data applications and digital transformation services to governments and enterprises.

The Innovation Center has established a collaborative R&D team with industry experts as academic leaders, and well-known universities and scientific research institutions in joint laboratories, undertaking scientific research projects such as national key R&D plans, and applying technology in big data engineering, manufacturing full life cycle management, Breakthroughs in 8 key technical fields including digital twin technology, industrial Internet + block-chain engineering application technology and industrial engineering application research, participated in 3 national scientific research projects, 8 Chongqing science and technology projects, and formed 6 industry solutions, Published 45 core papers, applied for 19 patent rights, 22 software copyrights, published 1 book and 2 white papers.

The Innovation Center has provided cloud services for more than 5,000 enterprises, and more than 10,000 sets (sets) of industrial equipment have implemented modeling, remote monitoring, fault diagnosis, and predictive maintenance on the platform, providing services to regional governments, CCAG(China Changan Automobile Group), CNPC(China National Petroleum Corporation), CNOOC(China National Offshore Oil Corporation), SGCC(State Grid Corporation of China), CSG(China Southern Power Grid Company Limited) and other enterprises and institutions provide big data applications and digital transformation services.