

Chinese Technical Offers and Requests

2020 March
Issue 1

EU Project Innovation Centre
EEN West & North China

ID: EP-2020-01

A Chinese company seeks high-end fine chemicals, new materials technology from European market under a technical cooperation agreement.

Description

The Chinese company founded in 1988 is a large chemical corporation headquartered in Shandong Province. Its various business covers oil refinery, petrochemicals, specialties, pharmaceuticals, chemical logistics, finance service and trading. They are seeking new technologies in the field of fine chemicals and new materials. The technologies should be ripe/competitive/have good market prospects.

Type and role of partnership sought

They are looking for technology transfer or licensing or technology invested as capital stock.

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Chinese household appliance manufacturer is seeking intelligent manufacturing technologies and novel design of household appliance regarding refrigerators, washing machines and water heaters

Description

The Chinese company was founded in 1986 starting as a tiny conventional household appliance workshop. During the development of over 30 years, it has evolved into one of the leading members in the field of household appliances. In the meantime, the company has gained its famous and reputable brand as well as dozens of subsidiary brands, its corporate culture and tested business philosophy. Its mature marketing channel and stable client base are already in position. In order to stay ahead of the market, novel design and intelligent manufacturing is becoming more and more indispensable nowadays for this very company and also its peers. Though this company has already built over 10 R&D centers, over 20 industry parks, and over 100 factories, they are still willing to embrace new perspectives from another enterprise or culture. It is looking for novel designs and technologies of electric household appliances, in the areas of sensors, food management, energy saving, refrigeration, noise reduction, constant temperature and humidity solutions for wine coolers, display and human-machine interaction technology, clothing wrinkle removal technology, anti-scaling technology, low-cost CO removal solution, etc.

The details are as follows.

1. Sensors: pesticide detection sensor, food freshness sensor, humidity sensor, temperature sensor, sensors and detecting chemicals and low-cost RFID recognition technologies.
2. Food management: image recognition technology that could recognize fruit and vegetables stored in the refrigerator, fruit and vegetable detoxification. Freshness preservation technology: ethylene removal technology, humidification and dehumidification by water electrolysis. Sterilization technology: low temperature plasma technology. deodorization, avoid odor taint.
3. Energy saving: to optimize current energy consumption situation by material update (PCM), control logic upgrading (new heat exchange technology).
4. Refrigeration: supercooling technology, rapid refrigeration/thawing technology, humidity control technology, rapid defrost technology, low frost technology.
5. Noise reduction methods: active and passive noise control method.
6. Constant temperature and humidity solutions for wine cooler.
7. Advanced display and human-machine interaction technology.
8. Clothing wrinkle removal technology(wrinkle removal during the washing cycle and the drying cycle)
9. Descaling technology, scale removal technology, anti-scaling technology, non-filtration water purification technology.
10. Low-cost CO removal solution, thermostat and automatic control algorithm, flameless combustion technologies for gas water heaters or premixed burners.

Type and role of partnership sought

With the advanced European technology and the mature Chinese market, the Chinese company would like to conduct a technology transfer agreement or patent licensing agreement with the future partner.

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ID:EP-2020-03

A Chinese robotic company is seeking experts in remotely operated vehicle (ROV) and underwater vehicle

Description

This company was established in 2017 and belongs to Chinese Academy of Science (CAS). The company is a high-tech listed company with diverse product lines and the biggest robot manufacturing base in China. It is the supplier of life circle turnkey project and solution covering industry robot integration system, intelligent warehouse and logistics system, factory management software system and intelligent factory. Meanwhile, with geographic advantage of Qingdao city (which is one of the top ports in China), the company has been focused on the development and application of intelligent manufacturing technology including digital factory, port automation, intelligent environment engineering and equipment, automobile part assembly and test lines, ocean engineering and equipment.

The company is planning to invest in the underwater vehicles, especially for the ROV type. Currently it's a draft plan, so it is open to all the related R&D institutes or part suppliers from domestic and abroad.

As the start of the R&D, the company will focus on the heavy duty work-class ROV. The target performance below is only for reference:

Type and role of partnership sought

The company is looking for technical assistance agreement for the preliminary cooperation.

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ID:EP-2020-04

A Chinese company is seeking European partners to work together for electronic shelf label (ESL) technology development under a technical cooperation agreement

Description

This Chinese company is the core enterprise for the IT modules in its group company. It is devoted to R&D on circulation information solutions and aims to provide comprehensive information solutions for its users including software, hardware, consulting, operation and maintenance as well as various terminal products. The company products cover many areas including commercial software, retail & hospitality POS (point-of-sale) systems, financial payment and sports lottery terminals. The company is one of the earliest enterprises engaged in circulation information research and practice since 1989. The company has a national-level R&D center to support their technology development. It has become an influential Chinese brand in its POS industry. Its service and products have been provided to over 200,000 stores, over 600 large and medium-sized distribution companies as well as more than 100,000 small and medium-sized commercial enterprises, including super chain stores, gas station convenient projects, and acro-business popularization projects. Their POS service business covers 28 provinces and municipalities in China. Its service and products have also been exported to countries including the U.S., UK, Germany, France, Italy, Spain, Turkey, Israel, Russia, South Korea, Thailand, Malaysia, Australia, New Zealand and South Africa. Based on the Chinese market demand, now they are putting efforts to the R&D and manufacturing of electronic shelf label system (ESL).

The ESL system is a part of IOT (Internet of Things) installed in the supermarkets, warehouses as well as other retail stores. It is one of the key elements for the digitalization and integration of the retail industry. Needed main function: 1. The label with electronic ink screen technology displays content including text such as prices or promotion information, QR code, pictures and so on. 2. Through a managing platform, the information on the label can be changed as one or in batch without human error. Data upload should be over Ethernet or WIFI. Page configuration parameters could be modified through a mobile App or computer as one or in batch. 3. The promotion rules, trigger alarms and automatic update pattern can be preset through the managing platform. 4. Mature data communication should use 2.4G wireless communication technology which is accurate, safe, stable and reliable; Strong anti-interference ability with low cost and low power consumption.

Type and role of partnership sought

The company is seeking partners who are already involved in the domain of ESL system and able to independently perform product research, design and testing, including hardware and software. The partners should also have expertise to define interface and transmission protocol, create OS (Operating System) and manage alarm information as well as self-diagnosis software. Potential cooperation could be worked out under a technical cooperation agreement.

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ID:EP-2020-05

A Chinese company seeks low-noise cryogenic Stirling refrigerator technologies from European market via a commercial agreement with technical assistance

Description

The Chinese company was founded in 1986 starting as a tiny conventional household appliance workshop. After more than 30 years of development, it has developed into one of the leading members in the field of household appliances. In the meantime, the company has gained its famous and reputable brand as well as dozens of subsidiary brands. The company has mature marketing channel and stable client base. In order to keep ahead of the market, the company gives high emphasis on the products innovation technology development. Currently, the company is looking for low-noise cryogenic Stirling refrigerator technologies from the European market. The Chinese company is willing to embrace potential partner's new perspectives and corporate culture. Since the finished product of low-noise cryogenic Stirling refrigerator is not available in Chinese market yet, the Chinese company wants to buy these kinds of products from potential European partners. Besides high-quality products, potential partners also should provide relevant technical training or support for low-noise cryogenic Stirling refrigerator application.

Type and role of partnership sought

The Chinese company prefers a commercial agreement with technical assistance cooperation method. But other cooperation method also could be considered.

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