一、Green technology

NO.01

Project Name: Solar Module Level IoT

Project Organization: Fonrich (Shanghai) New Energy Tek

Technology Category: Information, Sensor, Communication

Cooperation Form: Technology licence

Mainly introduce the following aspects:

Photovoltaic power generation is the main force of global energy reform. Photovoltaic power generation technology is developing rapidly, and market application is also spreading rapidly. In this process, sensor technology, Internet of things technology, big data technology, etc. are also developing rapidly, and these technologies and photovoltaic power generation applications continue to have synergistic effects and new market opportunities. This project is to improve the efficiency and security of photovoltaic power generation through the way of Internet of things big data.

The application of this project is to realize the photovoltaic power generation revenue promotion and automatic operation and maintenance management through the photovoltaic module level data IOT, and integrate the photovoltaic module fast shutdown and photovoltaic arc fault protection functions to improve the safety of photovoltaic power generation.

Proposed cooperation areas and partners (Mainly explain the areas that the project intends to cooperate with and the recipients)

Seek cooperation in the development of European and Latin American markets, regional Europe and Latin America. Agent and sales channel of the product. The requirement is to have photovoltaic industry background.

NO.02

Project Name： High Frequency Power Module with low electromagnetic interference

Project Organization： Shanghai Yeahoo Acoustics Technology co.,Ltd

Cooperation Form： Equity plus cash、Joint venture

Project Description (Briefly introduce the basic information of the project)

This project integrate the advantage of Using high-frequency technology, the power supply overcomes he routine power supply's shortcoming-heavy, big,high ripple and so on.

NO.03

Project Name: Super Turbine

500kw VAWT

Water electrolysis hydrogen production

Project Organization: Shanghai QianShan Energy Technology Co. Ltd

Application Field: Wind power generation

Water electrolysis hydrogen production

Project Description:Mainly introduce the following aspects:

1. Project Description (Briefly introduce the basic information of the project)

Shanghai QianShan Energy Technology Co. Ltd set up in 2014. QianShan has two kind of unique products. First one is vertical wind turbine (VAWT). It is the only VAWT worldwide with commercial value, from small to large VAWT. The second one is Super turbine which is a modular & combined wind turbine. It is a disruptive technology to replace the conventional wind turbine (HAWT). Its characteristic is very low power generation costs. The Super Turbine will cause an industrial revolution in the wind power industry.

The strategy of QianShan is cultivating Super Turbine & large VAWT through the business of small vertical wind turbine. Super Turbine will be the alternative wind power technology in the short future. It will bring an industrial change in the wind turbine industry. John is the inventor of the Super Turbine and QianShan will establish technical barriers by global patents in innovative wind power industry.

Until now, QianShan's vertical wind turbine is the only can be commercialized in the world. There are over 3000 small vertical wind turbines installations in differentgeographic environment in 60 countries, such as cold area of Alaska, desert and high temperature area of UAR and Saudi Arabia, on the mountaintop top of 4000m in Tajikistan etc. We also have many innovative products such as emergency energy kit, movable power station system.

John also has the patent technology of water electrolysis hydrogen production.

This technology can water electrolysis hydrogen production does not rely on the grid power. It can set up off grid water hydrogen production station without batter bank. Its hydrogen production can be adj

NO.04

Project Name: Waste mineral oil energy

Project Organization: Shanghai wokun Environmental Protection Technology Co., Ltd

Technology Category: Energy saving and environmental protection

Application Field: Petrochemicals、steel mill、mine、Hardware production 、Gold processing、 Repair shops

Cooperation Form: Technology licence,Technology shares,Equity plus cash,Joint venture

Mainly introduce the following aspects:

Shanghai wokun Environmental Protection Technology Co., Ltd is a high-tech enterprise providing solutions and services for the regeneration of industrial waste mineral oil. The technology is leading in the world. Subverting traditional technology. Zero discharge and zero pollution are realized in the process of waste mineral oil treatment. The treated waste mineral oil can be recycled as base oil.

二、Bio-medicine

NO.01

Project Name: Shanghai Moyang Biotechnology Co., Ltd

Technology Category： High-performance medical devices

Application Field： Medical cosmetology

Cooperation Form： Overall transfer，Technology licence，Technology shares，Equity plus cash，Joint venture，Cooperative R &

Mainly introduce the following aspects:

This project uses patented technology to study an injectable degradable hydroxyapatite microsphere hydrogel filler material for the treatment of conventional facial aging or severe facial volume loss caused by malnutrition such as AIDS and diabetes. The hydrogel composition is composed of natural ingredients of non-animal origin. The microsphere composition is prepared on the basis of hydroxyapatite, which has a history of more than 20 years of human application, and its biological safety and effectiveness have been verified. Hydroxyapatite microspheres can stimulate own collagen regeneration, so it is a volume expansion product for long-term maintenance and stable performance for the treatment of reduced facial volume.

NO.02

Project Name: Development of intelligent thermometer with positioning function

Project Organization: Shanghai aloge Electronic Technology Co., Ltd

Application Field: smart city、Petrochemicals、Industrial gas、Steel machinery、Hospital

Cooperation Form: Face-to-face negotiation

Project Description (Briefly introduce the basic information of the project:

Founded in 2007, Shanghai alog Electronic Technology Co., Ltd. is a high-tech enterprise in Shanghai. It has obtained more than 30 patents and soft works, focusing on the development and sales of industrial sensors and Internet of things solutions. It is the first to propose "wireless sensors" and layout "alg smart link" cloud platform business of Internet of things in the industry. The team has 20 years of R & D experience in instrument, industrial sensor and Internet of things system, providing intelligent pressure sensor, intelligent pressure transmitter, intelligent temperature transmitter, intelligent industrial Internet of things gateway and communication interface, alg smart link Internet of things software system and one-stop solution, etc., application fields involve oil and gas, chemical industry, power plant, steel, metallurgy, paper making, food, medicine, environmental protection, new energy and other industries.

NO.03

Project Name: Key Materials and Technologies of Artificial Intelligence Photonic Chips

Project Organization: Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences

Technology Category: Artificial Intelligence

Application Field: Automatic Drive, Intelligence Robots, Drones, Decision-making Problem

Cooperation Form: Cooperative R & D

Project Description (Briefly introduce the basic information of the project:

This project mainly studies the key materials and technologies used in artificial intelligence photonic chips, as well as materials and technologies related to photonic chip peripheral devices. Photonic chips are the main technical means to solve the bottleneck problems of current electronic computer processing systems such as bandwidth, energy consumption and speed. Two-dimensional materials with excellent nonlinear optical characteristics have unique advantages in physical properties, integration, and compatibility, and are one of the keys to building future all-optical chip systems. This project unites two research teams: Professor Jun Wang of Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences, and Professor Werner Blau of Trinity College Dublin, Ireland. It is aimed at the application of artificial intelligence photonic chips and aims to study the preparation of two-dimensional materials, basic physical problems in ultra-fast response, master the third-order nonlinear optical properties, carrier relaxation dynamics and the relationship between two-dimensional material structure and physical mechanism, develop high-performance optical waveguides for all-optical opening Device. The Chinese side is responsible for the material preparation, material physics, ultrafast nonlinear optics, device preparation and testing. Ireland side is responsible for nonlinear optical theory, device design and simulation. This project can lay a good foundation for materials, devices and physics for the future development of artificial intelligence all-optical chip processing systems

三、Artificial Intelligence

NO.01

Project Name： An in pipe robot with remote control to dredge urban main sewer

Project Organization： Shanghai Zhongli Environmental Technology Co., Ltd

Technology Category： Advanced manufacturing process and equipment/ robot

Cooperation Form： Technology licence、Technology shares、Joint venture、Cooperative R & D

Mainly introduce the following aspects: As the core product to solve the problem of artificial replacement in the limited space operation with high risk, the company's pipeline robot takes the realization of remote control dredging of municipal sewage under the condition of continuous flow of sewage as the key application and development direction. Compared with the current human work industry, the realized operation process is safe and efficient, so as to open up a new application market in this field, and gradually to Other types of hazardous environment artificial work alternative application field expansion.

Mainly explain the areas that the project intends to cooperate with and the recipients：

At present, the area that the project hopes to cooperate with is the Yangtze River Delta area. The objects of cooperation include two categories of enterprises: one is municipal engineering enterprises, such as Shanghai Construction Engineering Group, Shanghai Municipal Design Institute, Zhejiang construction engineering group, and the other is municipal sanitation vehicle

production enterprises, such as Longma sanitation equipment, Yingfeng environment, etc;

NO.02

Project Name： Multimedia Active Loudspeaker System

Project Organization： Shanghai Yeahoo Acoustics Technology co.,Ltd

Application Field： Audio and Video,Electronic communication field

Cooperation Form： Equity plus cash、Joint venture

Description of the mainly relevant technology (The main technology relevant to the project and other supporting technologies needed)

NO.03

Project Name： Multi dimension perception IOT cloud platform for urban security emergency monitoring

Project Organization： Shanghai analog Electronic Technology Co., Ltd

Key Words： Data perception、sensor、Internet of things、Emergency safety、smart city

Application Field： Urban water heating network、industrial park、colleges and universities

Cooperation Form： Face-to-face negotiation

Project Description (Briefly introduce the basic information of the project

This project aims at the typical urban safety emergency scene, studies the key technologies of urban perception elements such as pressure sensor, temperature sensor, magnetic sensor, etc., carries out the key common technologies of multi-sensor fusion dynamic perception and Internet of things intelligent early warning, completes the data collection, data transmission, data presentation, data analysis of various urban safety emergency response sites, based on various instruments The integrated digital management requirements of instrument intelligent equipment, through multi-sensor data fusion, one button cloud, Internet of things cloud platform visualization to achieve the Yangtze River Delta regional urban disaster situation awareness and early warning system. Based on the massive terminal monitoring sensor data and monitoring data changes, this paper studies dynamic monitoring perception, disaster state deduction and intelligent early warning technology. Research and develop cloud computing based simulation cloud platform software system for urban disaster emergency rescue, provide more than three kinds of IOT solutions under urban security application scenarios, including intelligent water supply pump station monitoring, chemical park tank level monitoring, steel plant process safety monitoring, etc., for the Yangtze River Delta region, and integrate 3D virtual simulation modeling and augmented reality for urban security emergency scenario Application demonstration of technology and IOT sensing technology in emergency drill scene.

NO.04

Project Organization： Shanghai Zhuyu Automation Technology Co., Ltd

General Information: Shanghai zhuyu Automation Technology Co., Ltd. is a R & D company located in Shanghai, manufacturing in Zhejiang Province, the main business is: robot and parts, robot automation system, robot software development of high-tech companies, is a high-tech enterprise, the company mainly provides robot assembly, handling, welding (including laser welding); the application industry is wide: Automobile and Parts, electronic products, food,

medicine, factory automation.

Core Business & Area of Expertise : Robot、Robot system automation、Robot and related software development software