Technology Request

Technology Development for future internet technology: Internet of Things (IoT) Sensor, Machine to machine (M2M) for Smart city

Summary

An Indian company in the ICT (information & communication technology) sector is interested for technology collaboration in Internet of Things (IoT), smart city initiatives, green initiatives in product development and clean technology utility energy. A joint venture with research and technology cooperation with the partner of interest will be considered. The company has experience in business consulting, business process reengineering (BPR), critical chain project management (CCPM) & ERP.

Expiration Date 04 November 2016
Reference TRIN20150824001
Profile link

Details

Description

The company is a startup founded by first generation entrepreneur with experience of three decades with world leading enterprises such as Larsen & Toubro (Information technology, engineering & manufacturing conglomerate).

The company has expertise in business consulting, business process re-engineering (BPR), critical chain project management (CCPM), enterprise resource planning (ERP).

Some key products or services offered by the company include energy management solution, remote management for enterprise network, information technology (IT) enabled services, application development.

The company is looking for a technology collaboration in Internet of Things (IoT), smart city, green initiative in product development, clean technology utility energy. The partner should have expertise in IoT, embedded smart cloud analytics and IoT security. The type of partnership considered would be joint venture with research and technology cooperation. The role of the partner would be to provide technology transfer or technology know-how in the interested areas of collaboration mentioned.

Technical Specification or Expertise Sought

The partner should have competencies in Internet of Things (IoT), embedded smart cloud analytics, IoT security. The company would consider technology transfer for IoT sensors interfaced with cloud Big Data, analytics, software & hardware with embedded technology.

Stage of Development

Proposal under development

Keywords

Technology

01003022	Smart Appliances
01003024	Cloud Technologies
01003025	Internet of Things
01004008	ERP - Electronic Resources Planning

Market

02006005	Big data management
02006009	Other computer services

NACE

J.63.1.1	Data processing, hosting and related activities
J.63.9.9	Other information service activities n.e.c.

Open for EOI : Yes

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

2013

Client Country

India

Partner Sought

Type and Role of Partner Sought

Looking for an industry partner in the information & communication technology sector with experience in Internet of Things (IoT), smart city initiatives, green initiatives in product development and clean technology utility energy.

The company would consider joint venture, research and technology cooperation, technology transfer in the above mentioned areas of interest.

Type and Size of Partner Sought

SME 11-50,Inventor,SME <10,>500 MNE,251-500,SME 51-250,>500

Type of Partnership Considered

Technical cooperation agreement
Joint venture agreement
Research cooperation agreement

Seeking innovative infrastructure testing solutions for the Telecoms industry

Summary

A UK (Scottish) SME who supplies test and measurement solutions to Telecommunications Equipment vendors and Network Operators is looking for innovative testing solutions that would compliment its existing range. The company is interested in licensing agreements with industry partners across multiple countries.

Expiration Date	09 September 2017
Reference	TRUK20160829001
Profile link	

Details

Description

The Scottish company is an established supplier of test and measurement solutions to the telecommunications market, specifically telecommunications equipment vendors and network operators.

The company's current products focus on international standards conformance testing of core infrastructure. Solutions test both physical layer and packet layer parameters. They have a proprietary platform with software downloads to address multiple test applications. Key customer groups include Research and Development (R D) and verification test for equipment vendors, and evaluation and maintenance test for Operators.

The company has a very mature global sales channel, having sold products into 48 countries across the world

They are now looking to expand the addressable market by partnering with Original Equipment Manufacturer (OEM) products that will be taken to market through the established sales channel into all major markets (US, China, Japan, India, Northern Europe, etc.) They are interested in testing and potentially monitoring solutions that will compliment their current range.

Technical Specification or Expertise Sought

The company is looking for industry partners with established solutions that could compliment their current range.

Solutions of interest include:
- Physical layer testing, and testing layers 1-3 of the protocol stack.
- Testing the infrastructure around base-station technologies, both macro cell and small cell

technologies.
- Products focused on testing the very high speed interfaces, 100G and beyond.

Ideally, they are interested in work with companies that have released products but have achieved limited market penetration to date.

Keywords

Technology

01006003	Mobile Communications
01006005	Network Technology, Network Security

Market

01004007	Network test, monitoring and support equipment
01004008	Other data communications
01006002	Mobile communications, pagers and cellular radio
01006004	Communications services

Open for EOI : Yes

Client

Type and Size of Organisation Behind the Profile

Industry SME 50-249

Year Established

0

Partner Sought

Type and Role of Partner Sought

The Scottish company is looking for industry partners that have complimentary technologies which are already on the market.

The partner company would license the target technology to the Scottish company. Details of the license are subject to negotiation.

Type of Partnership Considered

License agreement

Technology Request

Looking for SMEs to develop a 3 dimensional scanning ceilometer for aviation

Summary

A Greek SME with great expertise in light detection and ranging technology (LIDAR) is developing a 3 dimensional scanning ceilometer for airports that uses laser to determine the height of clouds base under various conditions. The data derived from the scattered laser beam in the atmosphere, are analyzed and information about the clouds heights is retrieved. The company is looking for SMEs with expertise in laser photodetectors and data analytics for technical cooperation agreement.

Expiration Date 08 September 2017
Reference TRGR20160829001
Profile link

Details

Description

Nowadays, the use of ceilometers in aviation is very common, since they represent the standard method for measuring the cloud base height at several airports. Ceilometers are devices that use a laser, as a light source to determine the height of clouds base and detect fog under various conditions. The data derived from the scattered laser beam in the atmosphere, are analyzed in a friendly graphical user interface so that information about the clouds heights is retrieved.

However, existing systems placed in airports are often of low power and specifications, capable to detect only at vertical position. In this case, each airplane runway needs more than one ceilometer and consequently the airport needs a large number of ceilometers. This means extra costs and technical difficulty in data integration taking on account all airport lanes.

Currently, the greek SME is developing a new 3 dimensional scanning system that goes beyond the above mentioned problems, since is capable to perform measurements at three dimensions. In this way, a single system (or maximum two) is capable to cover the needs for each airport. The system includes the following features and advantages:

- Detection of cloud base and fog at three dimensions because of the advanced scanning capabilities
- Detection at large distances because of the sophisticated combination of high-power laser source and big telescope (compared with the competitors)
- Fully automated through measurement scheduling software, including 3D scanning systems which can be programmed with multiple scan patterns
- Eye-safe system based on sophisticated combination of the laser source and the optical transmission system
- Applied technology relies on the existing know-how of the company (over 14 years) to LIDAR (light detection and ranging technology) products for atmospheric analysis

The company seeks SMEs with expertise in laser technology for the development and manufacturing of the photo-detection part of the hardware, as well as SMEs active in software development to undertake the development of the software for the analysis of the collected date.

Technical Specification or Expertise Sought

Potential partners should take also on account that the system should also consolidate the following functions:
Remote Visibility
Fog Detection
3D Cloud Base
Volcanic Ash Detection
Smoke / Pollution / Aerosol Monitoring
Planetary Boundary Layer

Stage of Development

Available for demonstration

Keywords

Technology

01004003	Applications for Transport and Logistics

Market

05004002	Rescue and emergency equipment
06006002	Metering and monitoring
09001	Transportation

NACE

C.26.1.1	Manufacture of electronic components
C.26.5.1	Manufacture of instruments and appliances for measuring, testing and navigation
J.62.0.9	Other information technology and computer service activities

Open for EOI : Yes

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

2004

Client Country

Greece

Partner Sought

Type and Role of Partner Sought

The potential partners should be:
- any SME with expertise in the development of laser systems & components for the development of the photon detection part of the hardware
- any SME with expertise in data analytics software for the analysis of the collected date

Type and Size of Partner Sought

SME 11-50,SME <10,SME 51-250

Type of Partnership Considered

Technical cooperation agreement