

Technology Request

Software solutions for autonomous driving in airport and transport logistics

Summary

A German company experienced in transport logistics is looking for ICT & software companies to jointly build software architectures for autonomous driving in luggage transport, goods transport & parcel transport services. Live monitoring and long-term tracking should enable short reaction times and fluid workflows and allow customers to offset bottlenecks. Research and technical cooperation agreements are sought.

Creation Date	26 October 2017
Last Update	26 October 2017
Expiration Date	26 October 2018
Reference	TRDE20171023002

Details

Description

The German company has been active in planning, designing and implementing tailor-made software architectures in logistics environments for several years. They are specialised in the development of software solutions to autonomously operate vehicles for public transport (e.g. trains, trams), in airports (the whole logistic cycle: baggage drop-off, loading and unloading of airplanes, transportation via baggage trucks and baggage reclaim) and in production/storage facilities (e.g. lift trucks). Goal of the project is to develop advanced systems that allow for a secure operation of the vehicles at any time by employing advanced sensor technologies and concepts for a high secure data transfer from the vehicles to an external data storage. Preferably, ICT and software companies are sought to co-develop and adapt the company's existing software. Partnerships can be set up in the frame of research and technical cooperation agreements.

Technical Specification or Expertise Sought

Partners with skills in the following areas are sought:

- i) control software based on enterprise stacks such as "Oracle Applications" and "Java Enterprise"
- ii) runtimes in clusters and scalable for high availability with oracle tools and docker swarms
- iii) PLC integration with OPC UA (Open Platform Communications Unified Architecture)
- iv) data analysis integration with IoT, MQTT (Message Queue Telemetry Transport) or OPC (Open Platform Communications) based communication on top of a field bus
- v) system data analysis based on Amazon Web Services data analysis tools or on premise with tools such as "ELK Stack" and "Splunk"

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

Contact Person

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Open for EOI : **Yes**

Client

Type and Size of Organisation Behind the Profile

Industry SME 50-249

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
German
French

Client Country

Germany

Partner Sought

Type and Role of Partner Sought

Potential partners should be experienced in either the planning, the design or the implementation of software solutions for logistic purposes. Knowledge in building up complex software architectures is a plus. A strong customer focus is essential to a successful outcome of the project. Initially, a research and/or technical cooperation agreement can be set up.

Type and Size of Partner Sought

SME 11-50, University, Inventor, R&D Institution, SME <10,>500 MNE, 251-500, SME 51-250, >500

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Type of Partnership Considered

Technical cooperation agreement
Research cooperation agreement

Attachments
