

5G-LOGINNOV KICKS OFF – THE LOGISTICS INDUSTRY WILL BE MORE SEAMLESS AND BREATHE EASIER AS 5G-LOGINNOV BEGINS

Brussels, 07 October 2020 – 5G-LOGINNOV has just begun! This new EU funded project will offer a range of benefits to the community of European shippers, logistics service providers, mobility infrastructure providers, cities and public authorities. 5G-LOGINNOV will optimise operations and the maintenance of ports and logistics hubs thanks to cutting-edge 5G enabled services. By testing and evaluating 5G-enabled services, the aim is for 5G-LOGINNOV to consequently reduce emissions, synchronise 5G in “intelligent” approaches to management, routing and optimisation in port areas, as well as to secure an information sharing infrastructure.

The project brings together 15 partners to evaluate and showcase the added value of 5G technology in logistics and port operations in three Living Labs [Athens (GR), Hamburg (GE) and Luka Koper (SV)], and will support the adoption and take-up of 5G enabled next generation operation systems of ports and logistics hubs in Europe and beyond.

Thanks to the use of 5G technologies, 5G-LOGINNOV will also achieve the following:

- 10% higher load factors, consequently reducing CO2/NOX emissions linked to transport, and regulating the resulting freight traffic on future 5G logistics corridors in the EU;
- Reach the goals set by the Paris Agreement and the European Green Deal;
- Enable more accurate positioning and real-time visual information on vehicles without communication abilities and monitor their influence on traffic behaviour;
- Regulate the freight traffic generated by ports and logistics hubs on the future 5G logistics corridors in EU and integrate future Connected and Automated truck platooning.

Overall, 5G-LOGINNOV will boost maintenance innovations at ports and logistics hubs operations by involving new market actors, such as SMEs and start-ups, taking advantage of the growing adoption of distributed cloud computing technologies in 5G networks and facilitating open innovation at a service level in the logistics and industry 4.0 sectors.

The project will also support and contribute to the emergence of global standards of 5G enabled next generation ports and logistics hubs operation systems to ensure interoperability, platform openness and operation harmonisation around future 5G logistics cross-border corridors.

“AKKA is proud to be part of the 5G-LOGINNOV project. AKKA will leverage on expertise and experience gained in other related EU projects such as AUTOPILOT and 5G-MOBIX to develop more expertise around 5G IoT, and data analytics in the Cooperative and Connected Automated Mobility framework. It is important for us to develop a new level of automation in seaport operations, notably in order to reduce environmental impacts and disturbance to the local population. We are looking forward to start working with all stakeholders engaged within 5G-LOGINNOV” **said Pierre Lion, Group Director of AKKA Research.**

AKKA's role in the 5G-LOGINNOV project is articulated around the following activities:

- Leading participant in the evaluation data collection and management. AKKA will maintain the project's Data Management Plan while supervising the cyber-security aspects.
- Support in the development of tools requested for test data management in the 3 pilots. Tasks will encompass data ingestion (collection), data curation (data validation, data quality) and storage (archiving) as it relates to data usage through generic open tools in open formats.
- Support in the development of tools requested for data analysis of the pilots.

"With 5G-LOGINNOV, the goal is to increase interoperability, connectivity in the optimisation of cargo flows, and to facilitate supply chain management, whilst making better use of existing resources", said ERTICO Senior Manager and project coordinator Eusebiu Catana. "5G-LOGINNOV will in fact pave the way towards efficient freight and traffic operations at ports and logistics hubs by using new innovative concepts, applications and devices supported by 5G technologies, Internet of Things (IoT), data analytics, next generation traffic management, CCAM (Cooperative, Connected and Automated Mobility) and the 5G logistics corridor".

EDITOR NOTES

About the project: 5G-LOGINNOV is a 3-year project of €7,926,474.29 co-financed by the European Union under the Horizon 2020 Programme. 5G-LOGINNOV proposes a strategic, innovative framework addressing integration and validation of technologies as part of an overall architecture representing a subset of 5G network functions. 5G-LOGINNOV is supported by 5G technological blocks, including new generation of 5G terminals for future Connected and Automated Mobility(CAM), new types of Internet of Things-5G devices, data analytics, next generation traffic management and emerging subsets of 5G networks functions, for port areas and city-ports to handle upcoming and future capacity, traffic, efficiency and environmental challenges.

Project Partners: ERTICO (coordinator), AKKA, CIRCLE, CONTINENTAL, ICCS, ICOOR, INTERNET INSTITUTE, LUKA KOPER, PCT, SWARCO, TEC4U, TELEKOM SLOVENIJE, T-SYSTEMS, VICOMTECH, VODAFONE

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About AKKA

AKKA is the European leader in engineering consulting and R&D services in the mobility segment. As an innovation accelerator for its clients, AKKA supports leading industry players in the automotive, aerospace, rail and life sciences sectors throughout the life cycle of their products with cutting edge digital technologies (AI, ADAS, IoT, Big Data, robotics, embedded computing, machine learning, etc.).

Founded in 1984, AKKA has a strong entrepreneurial culture and is pursuing its fast-paced growth and international development in line with its CLEAR 2022 strategic plan. With 22,000 employees, who are passionate about technology and dedicated to advancing the future of industry, the Group recorded revenues of €1.8 billion in 2019.

Following the completion of the friendly take-over bid of Data Respons launched in January 2020, AKKA now holds 100% of the company's shares; with the success of this operation, AKKA leverages the most comprehensive portfolio of digital solutions in Europe to harness the growing demand from its customers in the mobility sector.

AKKA Technologies is listed on Euronext Paris and Brussels – Segment A – ISIN code: FR0004180537.

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