EU-project 5G-SMART shows how 5G boosts smart manufacturing

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5G-SMART, a H2020 project funded by the European Commission and coordinated by Ericsson and ABB, will officially kick-off June 11-12, 2019 at Ericsson headquarters in Stockholm, Sweden. Several 5G-SMART project partners have leading positions in 5G-ACIA.

5G-SMART unlocks the value of 5G for smart manufacturing through demonstrating, validating and evaluating its potential in real manufacturing environments. 5G-SMART will test the most advanced 5G-integrated manufacturing applications such as remote-controlled industrial robotics, wireless process monitoring in manufacturing, and mobile robotics, by bringing first ever 5G deployments into real manufacturing setups: at an Ericsson factory in Kista (Sweden), at the machine hall of the Fraunhofer Institute of Production Technology (IPT) in Aachen (Germany) and at a Bosch semiconductor factory in Reutlingen (Germany). On site, 5G-SMART will undertake the evaluation of electromagnetic compatibility (EMC), channel measurements and co-existence testing between public and private industrial networks.
Furthermore, 5G-SMART will go beyond the trials and develop new 5G features targeting the needs of the manufacturing industry, like the integration of 5G with time-sensitive networking, and critical cloud platforms enabling flexible software development while providing low latency and high reliability. To further accelerate the take-up of 5G in the manufacturing ecosystem, 5G-SMART will explore new business models, identifying the potential for factory owners, operational technology suppliers and mobile network operators.

Over more than two years, a multidisciplinary team consisting of ICT and 5G suppliers (Ericsson, Cumucore, T-systems Hungary), network operators (Orange), providers of wireless communication technologies and components (u-blox), operational technologies' suppliers (ABB, Bosch, Fraunhofer IPT, Marposs), factory operators (Bosch) and academia (Lund University, University of Valencia, Budapest University of Technology and Economics) will show how 5G can boost smart manufacturing.

All news, publications, and other outputs of the project will be available on the official project webpage at www.5gsmart.eu.

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