

Plataine Selected to Partner in a UK Government Funded, 5G Based, Advanced Manufacturing Project

March 10, 2020, Tel-Aviv, Israel – Plataine has been announced as one of 11 industry partners to join the UK Government’s 5G-ENCODE project that will deliver a private 5G network at the National Composites Centre in Bristol, UK. 5G-ENCODE will examine industrial use cases and value propositions for the practical application of 5G wireless technology to upgrade composite design and production processes at UK manufacturers – delivering radical productivity and efficiency improvements. To support the project, Plataine will implement its AI (Artificial Intelligence)-based Industrial IoT solution that allows full material and asset tracking, predictive alerts and optimized recommendations.

Plataine was selected due to its unique global experience at applying IIoT solutions to composites manufacturing processes, for customers as diverse as Airbus and Renault F1 Team. At the National Composites Centre, Plataine will implement its AI-based Digital Assistants, integrated with a locally deployed sensor network, to deliver comprehensive material shelf-life tracking, management and optimization capabilities. The solution will automatically track time-sensitive raw materials, predict remaining exposure time and optimally select the most appropriate material for each job at hand; minimizing waste and ensuring production deadlines are met, while maintaining full traceability of the products’ Digital Thread. In addition, automated real-time tool tracking ensures production schedules are no longer disrupted by lost tools, and AI-based Digital Assistants offer predictive quality alerts, actionable insights and real-time maintenance recommendations to staff.

Dr. Enrique Garcia, CTO at the NCC said: “As world-leaders in composite research, the NCC provides beyond state-of-the-art capabilities for industry. An industrial scale 5G test bed at the NCC will showcase a step change in security, reliability and connectivity, providing companies of all sizes a risk-free environment to evaluate and capitalise on the capabilities offered by 5G. The test bed is part our wider Digital Engineering strategy in the West of England which will form a national asset to catapult the application of digital technologies into the engineering sector. This programme affords us and our industrial partners a unique opportunity to collaborate with prominent experts in the telecommunication, digital and software industry. We are delighted to be a part of such a rare multi sectoral consortium.”

Avner Ben-Bassat, President and CEO of Plataine, adds: “The 5G-ENCODE project will apply 5G-enabled technologies to manufacturing, integrated with Plataine’s Digitization and AI solutions to improve efficiency with industrial systems management. Automating and optimizing manufacturing is absolutely at the core of Plataine’s offering, and we are very excited to be working on this ground-breaking project.”

About Plataine

Plataine is the leading provider of Industrial IoT and AI-based optimization solutions for advanced manufacturing. Plataine’s solutions provide intelligent, connected Digital Assistants for production floor management and staff, empowering manufacturers to make optimized decisions in real-time, every time. Plataine’s patent-protected technologies are used by leading manufacturers worldwide, including Airbus, GE, Renault F1[®] Team, IAI, Triumph, General Atomics, TPI Composites, AAT Composites and MT Aerospace. Plataine partners with Google Cloud, Siemens PLM, McKinsey & Company, TE Wire & Cable, VIRTEK, the AMRC with Boeing, the NCC, and CTC GmbH (an Airbus

Company), to advance the 'Factory of the Future' worldwide. For this work, Plataine has received a Leadership Award from Frost & Sullivan and Innovation Awards from the JEC and CompositesUK organizations, as well as the Shanghai Society of Aeronautics (SSA). For more information, visit: www.plataine.com

About the NCC

The National Composites Centre (NCC) is a world-class research centre, where companies of any size and across industry sectors can access cutting-edge technology and specialist engineers. It is one of seven centres that form the High Value Manufacturing Catapult and focuses on accelerating the adoption of high-value, sustainable engineering solutions in composites, in order to stimulate growth, and enhance capability for the benefit of the UK. The NCC has over 350 composite specialists based at its Bristol facility and offers open-access to cutting-edge digital manufacturing technology for the design, and development of new composite products pulling through technology from the lab to large-scale production. Visit www.nccuk.com