

PLATAINE SELECTED BY MUSKOGEE TECHNOLOGY TO IMPLEMENT IIoT MANUFACTURING SOLUTION

April 22, 2020 Waltham, MA – Plataine has been selected as Industrial Internet of Things (IIoT) solution partner for Muskogee Technology, a provider of advanced fabrication, composite cutting & kitting, CNC machining, and inventory management services for the aerospace, defense, and oil & gas industries. Plataine’s solution will help Muskogee Technology maintain its premier reputation for cutting-edge operational capabilities by further digitizing and optimizing its manufacturing processes while improving efficiencies. This will be achieved by implementing a [material shelf-life management](#) system for time-sensitive composite materials, and by developing overall factory floor visibility and traceability with an RFID-enabled automated tracking system and a full digital thread of parts produced.

Plataine was selected due to its track record of working with companies in the aerospace sector and their globally recognized proficiency at offering leading [IIoT and artificial intelligence \(AI\) solutions](#) to optimize advanced manufacturing operations.

At Muskogee Technology, Plataine will leverage a network of RFID gates to enable automated material shelf-life management. This ensures that time-sensitive raw composite materials are monitored in real-time and processed via the FIFO (first-in-first-out) method.

Plataine’s AI-based Digital Assistants offer predictive alerts, actionable insights, and real-time recommendations to planning staff, thus allowing engineering resources to dynamically [optimize operations during the manufacturing](#) and production processes. This real-time information affords the user critical data necessary to make informed decisions regarding the use and consumption of costly raw materials. The Plataine system adds value by significantly reducing the threat of human error through automating tasks such as manual tracking of materials and freeing up skilled workers for other operations. Meanwhile, all production data is securely stored to form a Digital Thread, creating a record of the entire manufacturing process from raw material to finished product for quality control, compliance, and audit.



AI for manufacturing

Westly L. Woodruff, President and Chief Executive Officer at Muskogee Technology, commented, “We selected Plataine due to their strong performance at IIoT-based technologies and their impressive knowledge and technical reputation within the composites and aerospace industries. Plataine’s technical expertise – with a clear and concise plan for a tactical and rapid roll-out and comprehensive training for our staff – was key, as we are looking forward to executing this strategic alliance endeavour expeditiously”.

Avner Ben-Bassat, President and CEO of Plataine, adds, “We are excited to be working with Muskogee Technology, who are involved in supplying some of the world’s most demanding

industries today. Muskogee’s manufacturing processes are already highly advanced, and our goal is to jointly push the envelope even further”.

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, Stelia North America, IAI, Triumph, General Atomics, TPI Composites, AAT Composites and MT Aerospace. Plataine partners with Siemens PLM, McKinsey & Company, VIRTEK, the AMRC with Boeing, 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 Muskogee Technology

Muskogee Technology manufactures goods and provides services to help meet the needs of the defense, oil & gas, and aerospace-related industries. They offer a full range of manufacturing technology and fabrication services, including composite cutting/kitting services, inventory management, various levels of metal fabrication, CNC precision machining, and kitting/component overhaul. Muskogee Technology, an unincorporated subdivision of Creek Indian Enterprises Development Authority, is owned by the Poarch Band of Creek Indians. Located in the heart of South Alabama, the company promotes exceptional economic and community development opportunities for individuals and businesses in its local area. For more information visit: www.muskotech.com