

## **CTC GmbH, an Airbus company, deploys Plataine's AI-based solution for Industrial 3D Printing (Additive Manufacturing) Production Optimization**

**CTC GmbH to operate Plataine's AI-based Optimization Solutions, using Stratasys' Fortus 450MC industrial 3D printer, bringing enhanced digitization and real-time alerts and recommendations to the production process**

**Stade, Germany, and Tel-Aviv, Israel, November 25, 2019** – CTC GmbH (Composite Technology Center GmbH, Stade) and Plataine, a leading provider of [Industrial IoT and AI-based optimization solutions](#) for advanced manufacturing, partnered for optimizing production processes of 3D printed parts for the Aerospace industry.

CTC GmbH, a pioneer and trailblazer for new manufacturing technologies in the aerospace industry, will manufacture parts for Airbus using Stratasys Fortus 450MC printers. 3D printing (Additive Manufacturing) offers shorter time to market, greater production flexibility, increased quality and cost reduction for certain low-mid volume production series. In order to deliver parts on time at the highest quality, CTC GmbH deployed Plataine's software to digitize, automate and optimize the manufacturing process while collecting sensor and machine data for analytics and smart predictions. The solution optimizes spool management & consumption, enhances part traceability, and offers complete visibility and process control. Plataine's IIoT and Digital Assistants offer predictive alerts, actionable insights and real-time recommendations to staff, allowing them to further optimize their operations and proactively deal with production challenges. Meanwhile, all production data is stored forming [Digital Threads](#), recording of the entire production process, from raw material to end-product, creating the basis for the subsequent project phase of applying Plataine's AI capabilities to further improve the process.

"It is our mission to continuously explore innovative technologies in the fields of Industrial Manufacturing, adopting 3D printing (Additive Manufacturing) for series production. We have decided to expand our partnership with Plataine to meet our goal and help us overcome the inherent complexity of 3D Printing and its related operational challenges", said **Prof. Dr. Axel Herrmann, CEO at CTC GmbH**.

"We are excited to further cooperate with CTC GmbH, supporting their work in Additive Manufacturing mass production", said **Avner Ben-Bassat, Plataine's President & CEO**. "Plataine's solution manages & optimizes complex manufacturing processes, by collecting data from sensors and machines in real time, providing AI-based alerts and optimal recommendations."

**Marc Fette, COO at CTC GmbH said:** "Despite increased awareness about the potential of connected, industrial-scale 3D printing, in-house 3D printing production processes are often still isolated hubs. Our strategic partnership with Plataine transforms this isolated hub into a productive and integrated facility. Plataine's holistic solution enable us to improve our operational efficiencies with better response time, optimized storage conditions and material consumption management."

"Plataine's solution is an innovative concept that will increase CTC's productivity significantly and enable them to scale up additive manufacturing. Plataine brings an automated, intelligent, end-to-end solution for Additive Manufacturing operations using applications such as tool tracking, material management and shelf-life management", said **Amir Ben-Assa, Chief Marketing Officer**.

### **About CTC GmbH**

The Composite Technology Center GmbH (CTC) in Stade, Germany, is an Airbus company which is driving the development of efficient series production technologies for the manufacturing and assembly of carbon fiber reinforced plastic (CFRP) components for aircraft and lightweight construction. Mainly, CTC drives innovation in composite manufacturing to enable Airbus to maintain its top position as a leading aircraft manufacturer. For more information, visit: <http://ctc-composites.com/en/>

### **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<sup>®</sup> 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, 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](http://www.plataine.com)