

Renault F1[®] Team Adopts Plataine for IIoT Manufacturing Optimization Solution

Waltham MA, USA, Sep. 10, 2019 – Renault F1 Team announced the implementation of [Plataine's AI-Based IIoT solution](#) at its Enstone manufacturing facility in the UK to automate its composites manufacturing processes, leading to improved on-time delivery, operations efficiency and full digital traceability. Plataine was selected as a Renault F1 Team's technology supplier thanks to its proficiency in [IIoT-driven AI applications for manufacturing](#) and its track record of successful deployments.

Renault F1 Team makes heavy use of composites to produce the chassis and gearbox of their single seater under the pressure of a demanding innovation cycle and the tight schedule between race events. As a result, production plans are dynamic and may change frequently, requiring the team to often produce new, customized parts at very short notice, which places extreme pressures on people and logistics.



Renault F1 Team's Digital Transformation Strategy with Plataine

Plataine plays an important role in the introduction of automated/digital systems at Renault F1 Team with the deployment of a sensor network at the Enstone Technical Centre in the UK, which has enabled real-time visibility and automated tracking of material assets. Its optimized material selection application manages real-time material tracking, so Renault F1 Team's staff always know how long time-sensitive composite pre-pregs have been out of the freezer and where they are. This application ensures materials are being consumed optimally and the team can deliver parts for each race on time. These improved working practices result in the automation of repetitive manual processes, enhanced production flexibility and quality control. All data along the material's lifecycle – from raw material, through layup and curing, to finished part - is digitally and automatically logged to create a [Digital Thread](#), ensuring every component can be traced through every stage of production, allowing superior quality control and audit readiness.

Click here to read the full [case study](#).

Ian Pearce, Head of Production at Renault F1 Team Limited, says: “We see the software as a Digital Assistant, it constantly analyzes production data and offers our operators and managers alerts and smart recommendations in real-time. Our manufacturing process has become more efficient and flexible. This is crucial given the conditions we operate under – where there is literally no room for errors.”

Avner Ben-Bassat, President and CEO of Plataine, adds: “Producing F1 cars requires the highest levels of production agility and response to changes. Plataine is proud to support Renault F1 Team on their Digital Transformation journey providing actionable insights and AI-based recommendations to production staff and managers, enabling Renault F1 Team to continuously shorten manufacturing cycles and improve its operations.”

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, 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