
PRESS RELEASE

McLaren Racing accelerates F1 car development with optimal use of materials

LUXEMBOURG – Thursday 8th July 2021 – e-Xstream engineering, part of Hexagon’s Manufacturing Intelligence division, has been selected by McLaren Racing to provide materials data management for its Formula 1 cars.

The historic racing team makes extensive use of advanced materials to squeeze optimal performance and handling from its race cars. The team has chosen the MaterialCenter materials lifecycle management system to help its engineering team make optimal design decisions for their vehicles quickly and efficiently, with full knowledge of the performance and cost implications at every step. MaterialCenter captures data from material testing and the many tools and processes the team employs to ensure full traceability throughout each component’s lifecycle.

Richard Jenkins, Materials Group Leader for McLaren Racing, said: “Designing and building a Formula 1 race car is one of the greatest engineering challenges imaginable. It takes all of the individual engineering pressures – time, budget, weight, performance – and hyper focuses them into one package.

“We chose MaterialCenter because its open architecture and flexibility allows us to integrate the system with our existing tools, and its data collection capabilities will help us understand, manage and control our advanced materials constraints so we can keep building ever-better vehicles, and winning races.”

Roger Assaker, President Design & Engineering, Hexagon’s Manufacturing Intelligence division, said: “We are proud to have been chosen as McLaren Racing’s materials management solution. We share McLaren’s ambition to continuously push the envelope in engineering, and understand that the key to that is swift, unimpeded collaboration between teams and complete oversight of your resources. We hope MaterialCenter will be a valuable asset in helping McLaren Racing continue to achieve the impossible.”

Designed to manage the complete materials workflow as the single point of entry for all materials-related activities, MaterialCenter guarantees that engineers use a consistent source of approved materials derived from traceable integrated processes, resulting in

reduced data loss and the elimination of unnecessary and time-consuming manual data management tasks.

It addresses unique processes and data requirements and enables design innovation using complex and advanced materials such as alloys, elastomers, plastics, metals and composites.

Learn more about Material Lifecycle Management: <https://www.e-xstream.com>

About Hexagon | e-Xstream engineering

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

e-Xstream engineering, part of Hexagon's Manufacturing Intelligence division, provides Integrated Computational Materials Engineering (ICME) solutions to innovate and optimise product performance using the right materials and manufacturing process for the right application. Learn more at [e-Xstream.com](https://www.e-xstream.com). Hexagon's Manufacturing Intelligence division provides solutions that utilise data from design and engineering, production and metrology to make manufacturing smarter.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 21,000 employees in 50 countries and net sales of approximately 3.8bn EUR. Learn more at [hexagon.com](https://www.hexagon.com) and follow us [@HexagonAB](https://twitter.com/HexagonAB).

About McLaren Racing

McLaren Racing was founded by New Zealand racing driver Bruce McLaren in 1963. The team entered its first Formula 1 race in 1966, since then McLaren has won 20 Formula 1 world championships, more than 180 Formula 1 grands prix, the Le Mans 24 Hours at its first attempt and the Indianapolis 500 three times.

McLaren Racing currently competes in Formula 1 globally and INDYCAR in the US. The team is contesting the 2021 FIA Formula 1 World Championship with Lando Norris and Daniel Ricciardo, and in the 2021 INDYCAR Series with Arrow McLaren SP drivers Pato O'Ward and Felix Rosenqvist. In 2022, McLaren Racing will enter a new category of motorsport when it enters a team into Extreme E, the innovative all-electric off-road racing series.

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