

FIA selects Siemens as Official Digital Twin Sponsor

- **FIA expands adoption of Siemens Xcelerator to design and refine next generation race car concepts**
- **Aerodynamics of cars can be assessed digitally, using the digital twin, reducing the environmental impact of manufacturing prototypes and physical wind tunnel testing**
- **Siemens joins newly established FIA Global Partnership Programme**

The Fédération Internationale de l'Automobile (FIA) has selected Siemens as “Official Digital Twin Sponsor”, as the global governing body for motor sport and federation for mobility organizations worldwide expands its use of Siemens software. The FIA, which has welcomed Siemens into its new Global Partnership Programme, will extend its use of software from the Siemens Xcelerator portfolio to create and refine the aerodynamic concepts that shape the regulations for single-seater race cars, from Formula 1 through to Formula 4.

Using Siemens’ Designcenter NX software, the FIA can design complex vehicle models, visualise them in lifelike detail, and iterate digitally before running computational fluid dynamics (CFD) simulations on the model. This process enables the FIA to test and optimize car designs for performance and safety in a virtual environment, significantly reducing the environmental impact of manufacturing and physical wind tunnel testing. Since 2022, the FIA aerodynamics team has used Siemens’ Designcenter NX software to generate over 14,000 individual Computer Aided Design (CAD) parts, for testing in over 10,000 CFD runs. Assessing the

aerodynamics of the cars digitally has reduced the environmental impact of manufacturing prototypes and physical wind tunnel testing.

“Motorsport is as a living lab for innovation, incubating technological advancements that often transform series production later”, said Cedrik Neike, CEO of Digital Industries and Member of the Managing Board of Siemens AG. “But the race starts before the rubber meets the road. It begins in the factories, with advanced software and the minds of brilliant engineers. Through our immersive digital twin technology, we’re enabling FIA to further push the boundaries of performance, safety, and sustainability for mobility.”

“We’re proud to partner with global technology leaders like Siemens to shape the future of motor sport. This collaboration shows the strength of our wider partner network, where world-class brands are helping us deliver progress across performance, safety and sustainability,” said Craig Edmondson, chief commercial officer, FIA.

The FIA Global Partnership Programme aims to foster collaboration with leading organizations across the world who share the FIA’s vision for driving innovation, sustainability and safety across both motor sport and mobility. Through this collaboration, Siemens will become part of this community and support the shared ambition to pioneer technological advances across motorsport and the wider automotive sector.

This press release and press image are available at <https://sie.ag/6s5VAr>

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Siemens AG (Berlin and Munich) is a leading technology company focused on industry, infrastructure, mobility, and healthcare. The company's purpose is to create technology to transform the everyday, for everyone. By combining the real and the digital worlds, Siemens empowers customers to accelerate their digital and sustainability transformations, making factories more efficient, cities more livable, and transportation more sustainable. A leader in industrial AI, Siemens leverages its deep domain know-how to apply AI – including generative AI – to real-world applications, making AI accessible and impactful for customers across diverse industries. Siemens also owns a majority stake in the publicly listed company Siemens Healthineers, a leading global medical technology provider pioneering breakthroughs in healthcare. For everyone. Everywhere. Sustainably. In fiscal 2024, which ended on September 30, 2024, the Siemens Group generated revenue of €75.9 billion and net income of €9.0 billion. As of September 30, 2024, the company employed around 312,000 people worldwide on the basis of continuing operations. Further information is available on the Internet at www.siemens.com.

About the FIA

The Fédération Internationale de l'Automobile (FIA) is the governing body for world motor sport and the federation for mobility organisations globally. It is a non-profit organisation committed to driving innovation and championing safety, sustainability and equality across motor sport and mobility. Founded in 1904, with offices in Paris, London and Geneva, the FIA brings together 245 Member Organisations across five continents, representing millions of road users, motor sport professionals and volunteers. It develops and enforces regulations for motor sport, including seven FIA World Championships, to ensure worldwide competitions are safe and fair for all.