

## Red Bull Ford Powertrains pursues the sustainable future of motorsport with Siemens Xcelerator

- **Red Bull Ford Powertrains is using the Siemens Xcelerator portfolio of industry software to develop a new hybrid power unit for 2026 racing season**
- **Hybrid power unit specifications for the 2026 season require a more even split between Internal Combustion Engine (ICE) and electric power**

Siemens Digital Industries Software announced today that Red Bull Ford Powertrains has leveraged the Siemens Xcelerator portfolio of industry software to rapidly develop the next generation hybrid ICE/electric driven Power Unit (PU) for the Formula 1 2026 racing season.

For the 2026 season, Red Bull Ford Powertrains will build power units for both the Oracle Red Bull Racing and Scuderia Alpha Tauri F1 Teams and will be one of only six manufacturers supplying power units for the F1 series. From the announcement of its intent in 2021, Red Bull Ford Powertrains has set an ambitious goal of developing 2026-specification sustainable high-speed power units from the ground-up, while meeting new specifications from F1. Like any start-up, Red Bull Ford Powertrains is breaking new ground with every component design, especially given the lack of historical data, in the extremely secretive world of powertrains development.

Ben Hodgkinson, Technical Director, Red Bull Powertrains Ltd said “Siemens Xcelerator is the digital backbone of our design and manufacturing journey, enabling us to concurrently engineer hundreds of rapid design evolutions across a large newly formed team; ensuring each designer has visibility and knowledge of what their colleagues are working on.

“It is especially challenging as we don’t have the luxury of historical data; every component, down to the nuts and bolts of the engine, has to be modeled from scratch. This means the design quality and ease of use from Siemens’ NX, combined with collaboration and lifecycle management with Teamcenter, is a critical factor for success.”

In addition to Siemens’ NX™ software for product engineering and Teamcenter® software for product lifecycle management (PLM), the Red Bull Ford Powertrains team leverages the simulation and test capabilities of Siemens’ Simcenter™ STAR-CCM+™ software to assist with design and validation across the project.

“The motorsport industry is aggressively pursuing a cleaner, more sustainable future that requires radical reinvention of how teams and suppliers approach all aspects of their development activities. By leveraging the benefits of digital transformation, delivered through the use of Siemens Xcelerator, we’re able to help motorsport partners in the field with their discovery, invention and ultimately, delivery of new cleaner solutions on the track, where rubber meets the road, in timescales previously thought unattainable,” said Robert Jones, executive vice president, global sales and customer success, Siemens Digital Industries Software. “We are delighted to play a part in the success of the Red Bull Ford Powertrains team in achieving its goal to bring greater sustainability to motorsport and to meet the requirements for fossil carbon free performance, greater use of electric power and energy recovery for the 2026 racing season.”

**Siemens Digital Industries Software** helps organizations of all sizes digitally transform using software, hardware and services from the Siemens Xcelerator business platform. Siemens' software and the comprehensive digital twin enable companies to optimize their design, engineering and manufacturing processes to turn today's ideas into the sustainable products of the future. From chips to entire systems, from product to process, across all industries. [Siemens Digital Industries Software](#) – Accelerating transformation.

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**Siemens AG** (Berlin and Munich) is a technology company focused on industry, infrastructure, transport, and healthcare. From more resource-efficient factories, resilient supply chains, and smarter buildings and grids, to cleaner and more comfortable transportation as well as advanced healthcare, the company creates technology with purpose adding real value for customers. By combining the real and the digital worlds, Siemens empowers its customers to transform their industries and markets, helping them to transform the everyday for billions of people. Siemens also owns a majority stake in the publicly listed company Siemens Healthineers, a globally leading medical technology provider shaping the future of healthcare.

In fiscal 2023, which ended on September 30, 2023, the Siemens Group generated revenue of €77.8 billion and net income of €8.5 billion. As of September 30, 2023, the company employed around 320,000 people worldwide. Further information is available on the Internet at [www.siemens.com](http://www.siemens.com).

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