

Hannover Messe 2026, Hall 27 | Booth A48

Drivetrain Analyzer Onsite: Siemens introduces new AI-powered on-premises analytics for industrial drives

- **The on-premises analytics solution bridges the gap between isolated machines and cloud-based platforms**
- **The new solution processes drive data entirely within the user's own infrastructure, including integrated Industrial AI capabilities**
- **Drivetrain Analyzer Onsite complements the existing Drivetrain Analyzer Cloud cloud offering and is designed for users with stringent data-sovereignty requirements; the software is part of Siemens Xcelerator**

Siemens is introducing Drivetrain Analyzer Onsite (DTA Onsite), a new on-premises analytics solution for industrial drive systems. The software enables users to evaluate drive data entirely within their own infrastructure and meet stringent data-sovereignty requirements. As the first module of the new solution, Siemens is releasing DTA Onsite – Monitoring, which provides continuous condition monitoring of mechanical and electrical drivetrain components using locally executed AI methods for pattern recognition and anomaly detection.

Monitoring as a new module for local condition monitoring

DTA Onsite – Monitoring captures high-resolution, including precision time protocol (PTP) synchronized vibration and analog signals acquired - depending on the use case - via the Connection Modules Vibration (CM VIB), Fast Process Parameters (CM FPP), and IOT (CM IOT). This includes vibration data, analog values and fingerprint information, which are preprocessed locally and then analyzed within the system. The user interface provides plant-level overviews, KPI trend views and detailed diagnostic dashboards - all accessible through a standard web browser. The integrated Industrial

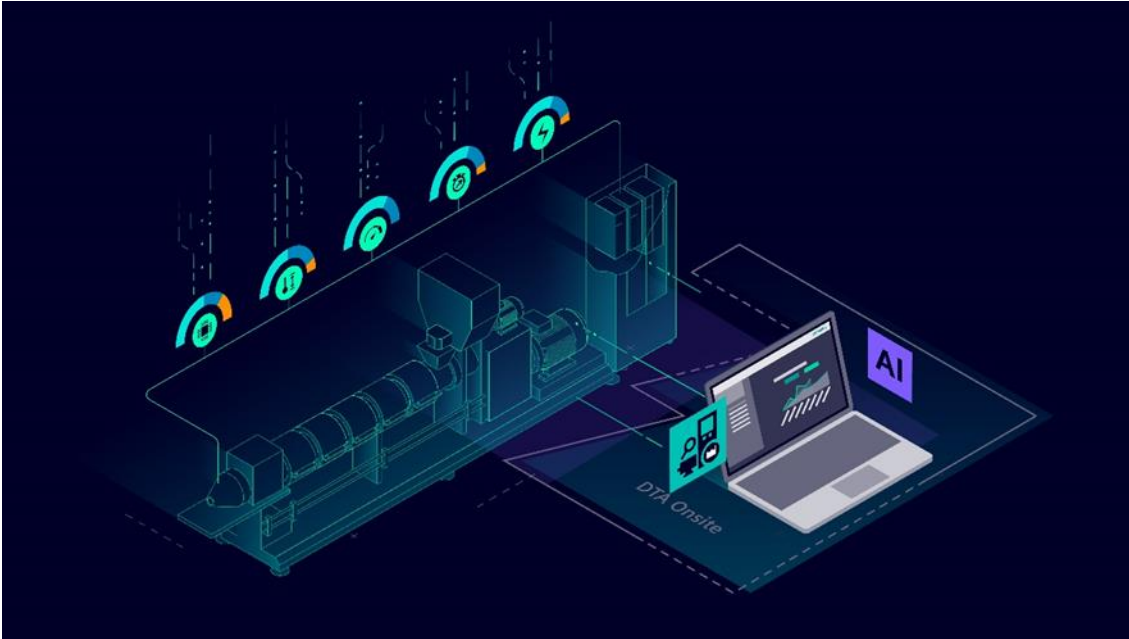
AI identifies deviations from typical drivetrain behavior and provides indications of potential mechanical changes or early-stage wear. All data remains within the user's own infrastructure, as the analytics are executed entirely on the industrial PC.

Drivetrain Analyzer Onsite complements the existing cloud offering

With Drivetrain Analyzer Onsite, Siemens is expanding its drivetrain analytics portfolio with a solution tailored for users preferring strictly local data processing. The Drivetrain Analyzer Cloud, [launched last year](#), supports cross-site, cloud-based analyses and fleet-level evaluations. In contrast, DTA Onsite targets industrial environments where data sovereignty, latency requirements or isolated network architectures are key considerations. Both systems follow the same modular concept but differ in operating model, integration environments and regulatory deployment contexts. Like Drivetrain Analyzer Cloud, DTA Onsite is part of Siemens Xcelerator.

DTA Onsite runs on industrial PCs and uses a containerized software architecture. The solution supports open and documented interfaces such as MQTT, gRPC, and OPC UA, enabling integration into SCADA systems, edge platforms, industrial IPC environments and maintenance software. Data streams from sensors and automation equipment are consolidated locally and visualized through a unified monitoring interface.

DTA Onsite – Monitoring can be deployed in a wide range of industrial environments and is specifically designed for applications with variable load, speed and operating profiles. This includes production machinery such as extruders, packaging machines and textile machines, where mechanical and process-related changes must be detected early. The solution is equally suitable for infrastructure applications such as pump stations, compressors or conveyor systems, which often operate continuously or across varying load conditions. Motion-control applications with dynamic movement profiles also benefit from the detailed monitoring capabilities, as load peaks and changing operating states are systematically captured and analyzed.



Drivetrain Analyzer Onsite is a new on-premises analytics solution for industrial drive systems.

You can find this press release and press pictures at the following link:

<https://sie.ag/5aFcyt>

Contact for journalists

Katharina Rebbereh

Phone: +49 172 841 35 39

E-mail: katharina.rebbereh@siemens.com

Follow us on **social media**

X: www.x.com/siemens_press and <https://x.com/siemens>

Blog: <https://blog.siemens.com/>

Siemens Digital Industries (DI) empowers companies of all sizes within the process and discrete manufacturing industries to accelerate their digital and sustainability transformation across the entire value chain. Siemens' cutting-edge automation and software portfolio revolutionizes the design, realization and optimization of products and production. And with Siemens Xcelerator – the open digital business platform – this process is made even easier, faster, and scalable. Together with our partners and ecosystem, Siemens Digital Industries enables customers to become a sustainable Digital Enterprise. Siemens Digital Industries has a workforce of around 70,000 people worldwide.

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 2025, which ended on September 30, 2025, the Siemens Group generated revenue of €78.9 billion and net income of €10.4 billion. As of September 30, 2025, the company employed around 318,000 people worldwide on the basis of continuing operations. Further information is available on the Internet at www.siemens.com.