ONCITE DPS makes digitalisation scalable  
**GEC at the Hannover Messe:   
How digitalisation can succeed on a broad scale**  
Limburg/Hannover, 2024-04-15

**Digitalisation of the manufacturing sector in Germany is progressing too slowly. But how can we speed up the digital transformation to achieve tangible results more quickly? And how can companies increase their flexibility and productivity while saving energy? German Edge Cloud (GEC) answers these questions at the Hannover Messe with its ONCITE DPS (Digital Production System). It makes digitalisation scalable – based on transparency, through AI-supported processes to an integrated digitalised factory. As part of the Friedhelm Loh Group, GEC will be exhibiting on the joint stand E06 in Hall 11 with its sister companies Rittal, Eplan and CIDEON – together showcasing solutions for the future of factories.**

"There is not one digital factory. Not one company is identical to another. Their requirements are so complex and individual that there is no single template. First and foremost, we need to work out where the fastest digitalisation successes can be achieved in the companies," explains Dieter Meuser, CEO of German Edge Cloud. This is where German Edge Cloud comes in: its ONCITE Digital Production System (DPS) offers a software solution with standardised applications and microservice-based architecture for the simple integration of new functionalities. It enables processes to be digitalised on demand – a particular advantage in growing structures.

**From transparency to a lights-out factory**

"The path to a digitalised factory starts with connectivity and transparency to monitor KPIs using a Manufacturing Scorecard. The aim is to provide an overview in near real time of production quality, machine maintenance, production control, logistics processes, energy and resource consumption. This forms the indispensable basis for further steps on the path to a fully digitalised factory," explains Dieter Meuser. "ONCITE DPS comes in at precisely where the customer is today and can support rapid and affordable digitalisation successes – in a modular and scalable manner."

**It's all about data**

German Edge Cloud will be presenting various use cases at the Hannover Messe, which address the current needs of industrial companies. Among other things, GEC solutions provide for data exchange for faster traceability of parts throughout the entire lifecycle, straightforward quality checks, and greater resilience in the supply chain.

"In the automotive industry, for example, fast and secure data exchange is an essential prerequisite for efficient production, quality assurance, innovation, and compliance with legal regulations. We developed the ONCITE DPS CX gateway with EDC connector based on open source components. This allows companies to quickly and easily access the collaborative and open ecosystem Catena-X," continues Dieter Meuser.

The ONCITE Digital Production System is also the ideal solution for secure data exchange and traceability along the supply chain. This will be demonstrated at the trade fair in an application scenario using the Schuler Group's Digital Suite Track and Trace, which is based on GEC's ONCITE DPS. In this use case, quality data from an automotive OEM plant is correlated with process data from a supplier plant via the Catena-X certified ONCITE DPS using a digital suite operated in the Schuler cloud. All the relevant data could be prepared for Catena-X, based on the SupplyOn platform including ESG (Environmental, Social and Corporate Governance) or alternatively for Factory-X.

The ONCITE DPS Energy also provides solutions for monitoring and optimising energy consumption in production. By analysing energy consumption data, companies can identify potential savings and develop more sustainable production processes that pay for themselves in terms of cost savings and reducing their carbon footprint.

**More than just megatrends: Industrial Metaverse and AI**

GEC will also be using use cases to address megatrends, including the Industrial Metaverse and AI, at the Hannover Messe. "Industrial AI is already offering massive benefits – among other things in terms of error detection and production increases. We offer an AI solution that simplifies visual inspection. And we are also currently implementing generative AI solutions with IBM and Google. We will be offering insights into this at the trade fair. AI is clearly a tool to accelerate digital transformation and is making a huge contribution to the success of digitalisation in industry on a broad scale," explains Dieter Meuser.

**Digitalisation requires focused domain knowledge**

With their joint fair appearance, Rittal, Eplan, CIDEON and German Edge Cloud will be demonstrating that digitalisation can only be achieved by joining forces. They are driving forward digital transformation in the energy transition era with demand-led hardware and software solutions.

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| Caption Image 1: GEC's ONCITE Digital Production System (DPS) makes digitalization scalable - from transparency as a basis to AI-supported processes to the end-to-end digitalized factory. |  | Caption Image 2: Dieter Meuser, CEO GEC: "Industrial AI already offers great benefits - for example when it comes to error detection and increasing productivity. In use cases at the Hannover Messe, we will also be demonstrating realistic industrial prospects for the use of generative AI. |

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German Edge Cloud

German Edge Cloud (GEC) is a provider of software, services and technologies that support industrial companies in their transformation to a digitalized, resilient and energy-efficient factory. With its ONCITE Digital Production System (DPS), GEC offers a software solution with standardized applications and microservice-based architecture for easy integration of new functionalities. GEC's solutions are used by well-known companies in various sectors, including the Industry 4.0 plant of sister company Rittal in Haiger.

German Edge Cloud is a co-founder and committed member of initiatives such as Gaia-X, Factory-X and Catena-X. For example, as part of the automotive network and with its Catena-X-certified ONCITE DPS, GEC is committed to efficient, transparent and secure data exchange along the entire automotive industry value chain.

German Edge Cloud is part of the owner-operated Friedhelm Loh Group. The group operates worldwide, with more than 12 production sites and over 95 international subsidiaries. It has more than 12,100 employees and posted revenues of 3 billion euros in fiscal 2023. In 2023, the Friedhelm Loh Group was presented with the “Best Place to Learn” and “Employer of the Future” awards.

For more information, visit [www.gec.io/en](http://www.gec.io/en) and [www.friedhelm-loh-group.com](http://www.friedhelm-loh-group.com).

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