

Innovo Cloud at Hanover Trade Fair 2019

Empowered edge computing for intelligent industrial IT infrastructure

Edge and cloud computing are converging to create intelligent infrastructure. At the Hanover Trade Fair (Hannover Messe), Innovo Cloud and Rittal are jointly showcasing digital twins and the corresponding infrastructure ecosystem for connected Industry 4.0 scenarios.

Herborn/Hanover, Germany, 1 April 2019 – Intelligent compute power is increasingly moving to the edge of networks. According to analysts at IDC, one in four end-points will, within three years, not just capture data at the edge, but also execute AI algorithms. Enterprises looking to expand their decentralised infrastructure for their digitalized plant and equipment in the context of the Industrial Internet of Things require the edge computing solutions to match. Innovo Cloud and Rittal are jointly presenting a corresponding offering at the Hanover Trade Fair (Hannover Messe) – comprising a combination of ready-to-go edge infrastructure, cloud-native platform services and direct high-speed cloud connections to tier-3 data centres in Frankfurt.

Infrastructures tailor-made for digital twins

Empowered edge computing, will, according to research specialists at Gartner, be the next stage in the evolution of data processing within networks. By 2020, there will be around 20 billion connected sensors and end-points. They deliver the data needed to create digital twins of physical equipment and systems. High-performance, decentralised infrastructure comprising automated edge applications, in conjunction with cloud-native platform services from Innovo Cloud, enable industrial players to model and manage their digital twins across the entire value chain – supported by the ultralow latency needed for real-time processing in manufacturing use cases.

Industrial analytics showcase

The industrial analytics platform is a prerequisite for digital twins. Within the scope of the manufacturing edge platform showcase, Innovo Cloud will be demonstrating how it is

possible to model the entire lifecycle of a physical asset in the age of Industry 4.0. The basis is a connected edge cloud infrastructure from Innovo. The data captured at the edge are subsequently transmitted reliably and securely for further analysis to data centres operated by the Frankfurt-based company by means of end-to-end encrypted connections.

Quick-and-easy entrée into the world of empowered edge computing

The shared Rittal and Innovo Cloud ecosystem gives industrial players access to a ready-to-go edge data centre within a matter of weeks – with the corresponding, customer-specific platform and service modules, guaranteeing reliable IT operations. Customers can therefore be sure of a one-stop solution to their unique needs (including OT, IT and platform), with all components required for empowered edge computing as the basis for Industry 4.0 applications.

“It is no longer a question of whether edge computing is coming or not. Today, it is about applying greater intelligence to distributed data, and about making them available for downstream analytics. That is the only way to make a viable digital twin. And this is exactly what Innovo makes possible. We provide industrial players with a future-proof, distributed and robust platform. At the same time, end-to-end industrial intelligence requires more than that,” states Stefan Sickenberger, CIO and co-founder of Innovo Cloud. “It is about more than just the infrastructure. Which is why we have joined forces with partners to deliver cloud platforms for smart factories that are geared to the imperatives of analytics und AI.”

Extensive experience of operating solutions for hybrid IT scenarios

Innovo Cloud has a long and successful track record when it comes to helping businesses find a balanced blend of new technologies, made-to-measure IT platforms and standardised, open-source IaaS architectures. A key role is played by hybrid scenarios across multiple sites, supported by portable container data centres. Against this backdrop, Innovo offerings can be combined to create a complete solution geared precisely to the customer’s needs and industry-specific compliance imperatives. The proven experience and expertise of the German provider has therefore attracted multiple reference customers in financial services and healthcare.

Visit Innovo Cloud at the Hanover trade fair at the stand shared with Rittal (hall 11, stand E06).

Caption(s)

Image 1 (fri182003800): Excellent location: Industry 4.0 applications and edge scenarios require short latency times, which makes the Frankfurt-Höchst cloud park an excellent data centre location for companies in the Frankfurt region. IT resources can be created quickly and securely here thanks to turnkey IT containers from Rittal.

Image 2 (fri192003000): Industrial analytics showcase: At Hanover trade fair, Innovo will be demonstrating how it is possible to model the entire lifecycle of a physical asset in the age of Industry 4.0. The basis is a connected edge cloud infrastructure from Innovo. The data captured at the edge are subsequently transmitted reliably and securely for further analysis to data centres operated by the Frankfurt-based company by means of end-to-end encrypted connections.

Image 3 (fri192003100): The shared Rittal and Innovo ecosystem gives industrial players access to a ready-to-go edge data centre within a matter of weeks – with the corresponding, customer-specific platform and service components, guaranteeing reliable IT operations of Industry 4.0 applications.

About iINNOVO Cloud

The focus of the Frankfurt-based company is on the implementation and operation of IT-as-a-service platforms (ITaaS) within virtual private cloud environments. The platforms comprise standardised components that are combined and configured in line with customer-specific requirements. The team of 60 professionals leverages its in-depth understanding of data centre operations and cloud computing to find the perfect balance between “as standardised as possible” and “as customised as necessary”.

“For us, the cloud is a service model. Our customers have the choice between provisioning resources from a standardised and extensible modular on-premises edge data centre or from a high-availability Innovo Cloud data centre in Frankfurt” explains CIO and co-founder Stefan Sickenberger. All services, from edge data centre hosting to the operation of standardised cloud platforms can be provisioned via an as-a-service model. Customers are free to decide whether the services are self-managed or fully-managed.



The ITaaS concept meets the diverse challenges of start-ups, SMEs and major corporations in equal measure. The overriding mission is to give customers a tailored infrastructure and service model that allows them to respond quickly, easily and dynamically to changing technological needs within their market, and in line with their specific compliance imperatives.

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