

SPS-Messe 2024

## Holistic solution and profound expertise in IT and OT for all industries

- **Siemens Industrial Automation DataCenter –**  
tailored, pre-configured, and ready-to-use IT infrastructure for the production environment
- **Siemens Remote Industrial Operations Services –**  
proactive monitoring and management for the security and availability of IT-OT infrastructure

With the increasing digitization and connectivity in the industrial environment, the risk of cyber attacks also increases - and this can have serious consequences. There is a need for a proactive approach and collaboration between IT and OT levels to effectively and long-term protect production plants. For this, a holistic approach and profound expertise in IT and OT are essential. However, often there is a lack of expertise and resources at the interface between IT and OT.

Siemens' Managed IT/OT Infrastructure offers a proactive and comprehensive approach to the convergence of IT/OT. Companies in all industries benefit from the expertise of Siemens experts who are knowledgeable in both IT and OT, allowing them to focus on their core competence in production.

### **All-in-one solution:**

- Ready-to-use, pre-configured, and system-tested IT/OT infrastructure
- Central and remote monitoring to ensure cybersecurity and availability, including management and maintenance of the infrastructure

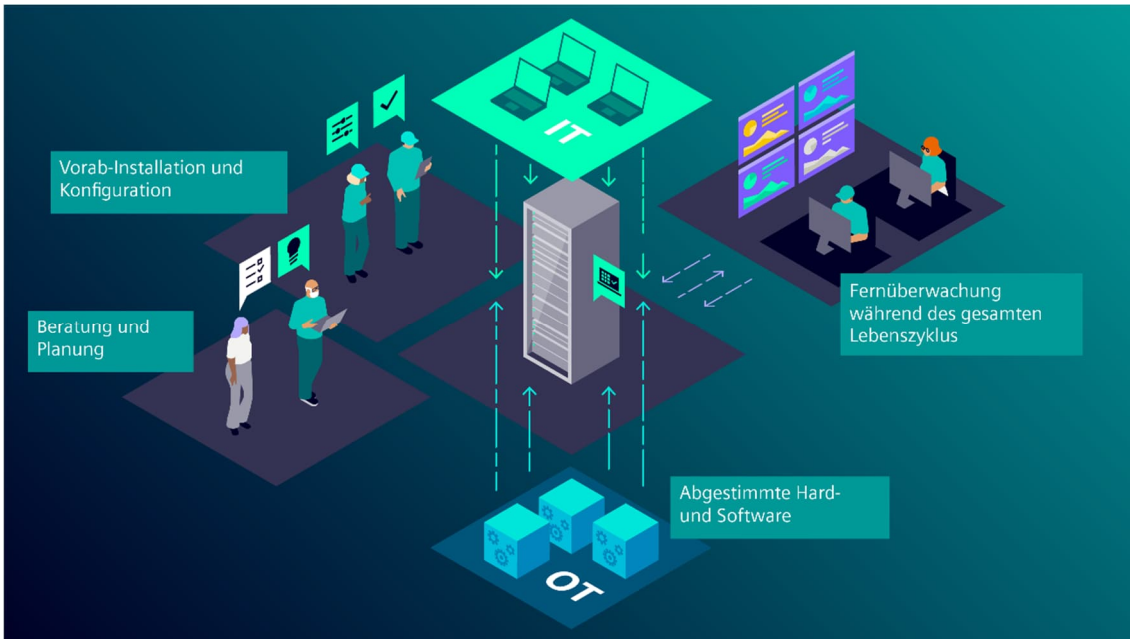


Image source Siemens AG: Managed IT/OT Infrastructure by Siemens

**Siemens' Managed IT/OT Infrastructure supports production users in the following ways:**

With the Siemens Industrial Automation DataCenter (IADC), users have a tailored IT infrastructure for complex OT environments. The IADC offers a hyper-converged IT infrastructure that combines hardware, software, and services for shop floor applications in all industries. It meets all requirements for a data center in the production area and combines a variety of functions. The core of the Industrial Automation DataCenter is a virtualization solution. The virtualization platform and optimized use of IT resources achieve high energy efficiency and space savings. Other components of the IADC include high-performance computers, IT/OT networks, backup & disaster recovery, process data archiving, uninterruptible power supply, and an industrial DMZ infrastructure (demilitarized zone) according to IEC 62443 for secure data exchange between IT and OT.

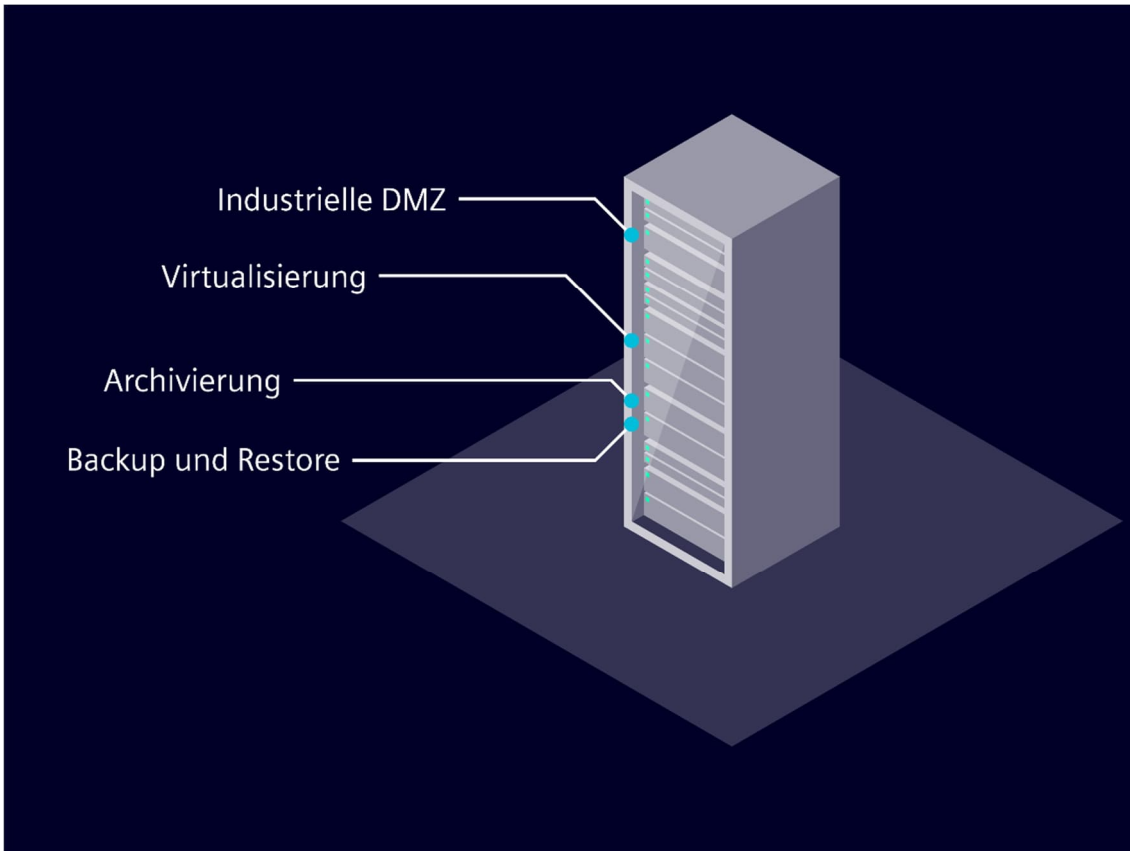


Image source Siemens: Structure of the Siemens Industrial Automation DataCenter (IADC)

### **Making plants more secure and robust - with Remote Industrial Operations Services (RIOps)**

Modular services support companies in every industry to protect their assets and environments. They are individually tailored to the priorities and requirements of each company. This includes continuous remote monitoring of the IT-OT infrastructure, cybersecurity measures, regular maintenance and preventive measures, as well as fast support for issues and questions. Plant operators can focus on their core business, production, while Siemens takes care of the security and availability of the systems.

Continuous remote monitoring and management of the infrastructure is carried out by Siemens experts from the Siemens OT-Security Operations Center (SOC) in cooperation with certified partners. The so-called "common Remote Service Platform" from Siemens is used for remote access. If necessary, regional Siemens employees also support companies on-site at the plant.

IT/OT security is a major part of the Remote Industrial Operations Services. This includes monitoring of data traffic, security patching, detection of anomalies and threats, vulnerability management, emergency recovery, and reporting. Siemens also uses a Security Information and Event Management (SIEM) system for this purpose. The infrastructure and network

activities are monitored in real-time to detect anomalies and threats early on. In case of an incident, Siemens notifies the company immediately and supports them in resolving the issue. Dashboards and reports provide information about the incident and can be used to support reporting incidents to authorities.

Managed IT/OT Infrastructure is a proactive and comprehensive solution for IT/OT convergence for companies in all industries. The advantage for companies is that they don't have to build their own resources, as Siemens provides its expertise. Additionally, Siemens acts as a central point of contact for the availability and cybersecurity of the IT-OT infrastructure, ensuring efficient communication and coordination. With Siemens' support, companies can quickly respond to incidents and resolve them before they disrupt operations. In the event of a failure, operations can be swiftly and effectively restored. Siemens' measures to maintain operations also assist companies in complying with cybersecurity guidelines such as NIS 2.

**For more information on Siemens Managed IT/OT Infrastructure, please visit:**  
<https://sie.ag/2ftH9W>

**For information on Siemens at SPS 2024, visit:** <https://sie.ag/4NY72u>

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**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. 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](http://www.siemens.com)