



## CONNECTING TWO WORLDS. OT AND IT NETWORKS IN PERFECT INTERACTION.

Secure communication and thus data exchange between Operational Technology (OT) and Information Technology (IT) is a necessary prerequisite for digitalization. ENTIRETEC supports you in design, integration and 24x7 operation of IT infrastructures in the production environment.

### KEY PROBLEM

In the past, IT and OT were two separate worlds. Overlaps were not intended and usually not appreciated. However, through digitization and the associated networking of external services, once-proprietary production environments are undergoing a fundamental

realignment. Technologies from the IT sector are increasingly finding their way into production and require a rethink in design (e.g., networking, segmentation, security) and the 24x7 operation of the respective solutions.

### YOUR CHALLENGES AND ASSOCIATED RISKS



#### IT Expertise

Planning and implementation of modern production environments increasingly require IT expertise. Resources who know both the specific requirements of OT and IT environments are scarce. What is more, if the architecture of TCP/ IP technologies is not properly aligned, significant risks in terms of stability, scalability and security can occur during operation.



#### 24x7 Operation

Today's production environments require modern operating concepts for TCP/ IP-based technologies, which must be provided 24x7 in accordance with the best practices of the ITIL framework. In addition, OT and IT must go hand in hand and work seamlessly together in a holistic operation to avoid availability risks or even complete system failures in production.



#### Security

The increasing connection of OT environments with external services requires a consistent implementation of modern security concepts in order to prevent industrial espionage and sabotage.



#### Scaling

A central, uniform solution design is essential in order to ensure scaling and multiplication effects when deploying multiple production lines and rapid onboarding of new locations.

## OUR SOLUTION

Based on the Service Platform, ENTIRETEC provides ready-to-use designs and proven 24x7 operational concepts for networking modern OT infrastructures.

Our experienced IT experts advise OT organizations on design and architecture, develop customized solutions for their production-specific requirements and support the transition and transformation phase. The technologies used meet the latest standards and are especially designed for use in OT environments.

The focus is the seamless handover of the solution into operation. ENTIRETEC ensures the 24x7 remote operation of the infrastructure worldwide and works hand in hand with the onsite OT team in a co-managed service model adapted to the processes and specific operating situation of the production environment.

## OUR SERVICES

- Consulting and project planning of modern OT infrastructure solutions with IT/ OT coupling
- Development of modern operating concepts with a focus on co-managed services
- Global delivery of infrastructure components
- Commissioning of infrastructure components and project management
- 24x7 operation of IT infrastructure and security solutions
- 24x7 single point of contact with multi-provider management

## TECHNOLOGY SOLUTIONS FOR OT

- Industrial ethernet/ industrial wireless LAN
- Remote access/ privileged access management
- Advanced malware protection
- Threat management
- Application & TCP/ IP-based firewall
- Data exfiltration/ infiltration protection
- DHCP, DNS, IPAM (DDI)
- Monitoring & reporting
- Asset management
- IT service management

## YOUR BENEFITS

### **IT know-kow in the OT environment**

Our experienced specialists advise your team and work closely with production to develop solutions for the secure connection of your OT infrastructure.

### **Future-proof architecture and technologies**

Benefit from state-of-the-art technologies, strategic further development and our unified Service Platform with global availability.

### **Proactive 24x7 operation**

Our Network Operations Center monitors and operates the respective solution 24x7 according to ITIL processes and provides proactive support with tailored SLAs.

### **Absolute transparency**

The web-based Service Portal provides you with worldwide access to all service-relevant information and important parameters of your network.

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ENTIRETEC is a global Managed Services Provider and specialist in network and security technologies. We support the global business strategies of our customers and business partners across all industries with highly available and secure IT solutions and combine them in a tailored manner to create future-proof answers for digitalization, mobility, cloud and IoT.