

Indu-Sol

The Specialist for all Industrial Networks

Products/Systems 

Diagnosis 

Monitoring/Management 

Training 

Consulting/Planning 

Network Services 



NETWORK INFRASTRUCTURE

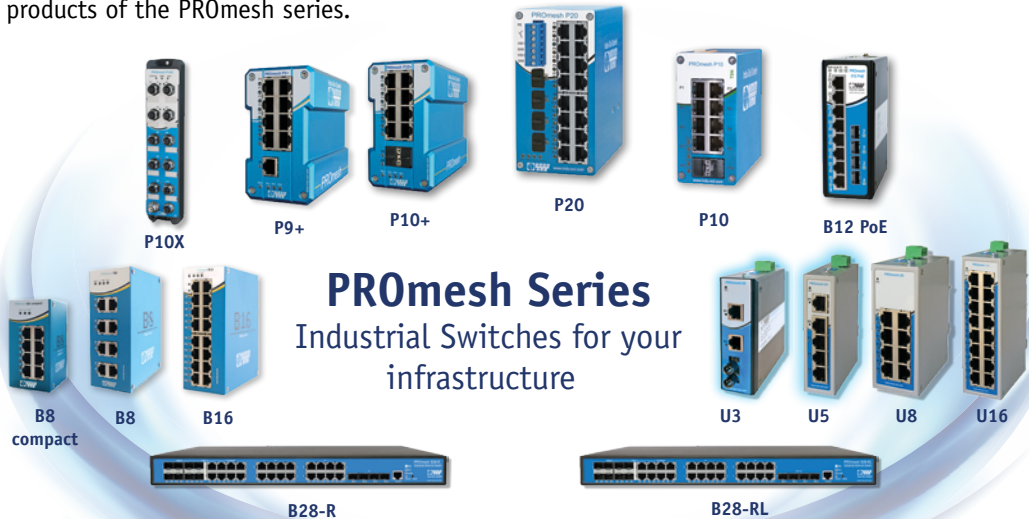
Routing & Switching

The range of **PROmesh switches** includes three product families of high-performance industrial switches for all applications and all environmental situations. Permanently installed in the control cabinet or decentralized in the field for **IP67** environments.

Above-average quality, performance and versatility in use are a matter of course for the products of the PROmesh series.

Many products can already be used equally for PROFINET and Ethernet/IP.

Our know-how as a specialist for machine networks and more than 20 years of experience in all technologically leading branches of industry and automation are united in all product families.



PROmesh Switches

PROmesh P

Managed Industrial Switches with high-performance switch function and best price-performance ratio.

PROmesh B

High performance managed switch with line diagnostics, condition monitoring and network management.

PROmesh U

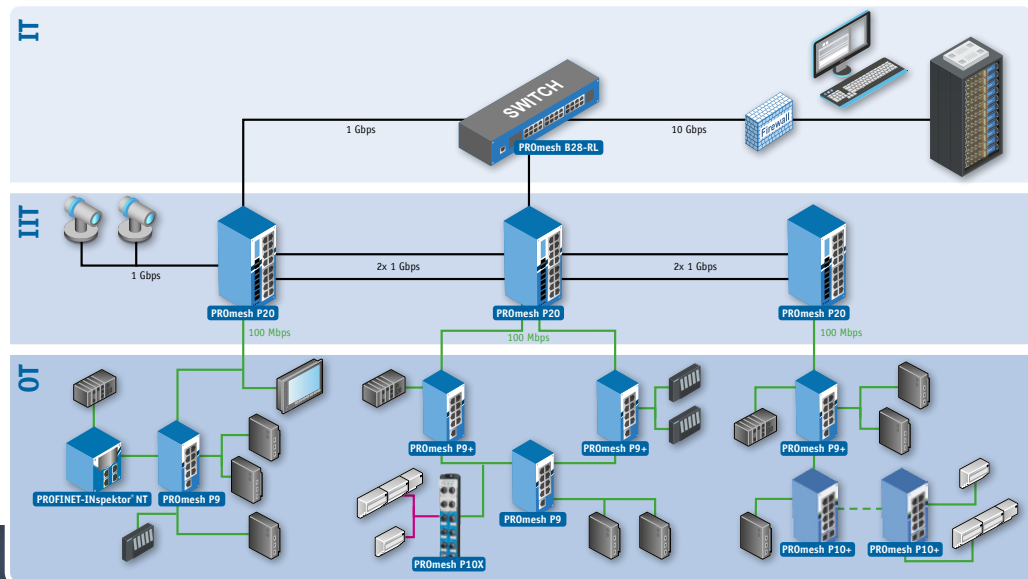
Unmanaged industrial switches round off the range with strong switch performance.



NETWORK LAYOUT AND CONCEPTS

Structure of communication layers

Increased **networking**, growing **data volumes**, **real-time capability**: Are the network and its infrastructure components up to the tasks intended for them?



OUR OFFERINGS

- Network structure planning
- QoS planning and calculation
- V-LAN planning
- Planning of NAT-routing
- Redundancy planning
- Netload-/bandwidth planning
- Infrastructure selection (according to performance parameters)
- Network monitoring

CONDITION MONITORING

AI-based Smart Maintenance



Decentrally determined status data from the INspector product family and Ethernet devices form the basis for the central monitoring of the whole Network status, targeted network management and predictive maintenance.

Three factors significantly influence the stability and availability of production:

- Operational wear, rough production environment
- Sporadic, non-reproducible events (mainly in Ethernet-based networks)
- Industrial Security



PROFINET INspector®



ONE SCALABLE SYSTEM –
FOR ETHERNET AND
APPLICATION MONITORING

OUR OFFERINGS

- **Permanent and non-reactive monitoring** of your fieldbuses and networks
- **AI-based status analysis** for a forward-looking and predictive maintenance
- **Maintenance management made to measure:** maintenance work is only necessary if the actual condition really requires it

SERVICE & TRAINING

Eyes open and ears tuned to the network

The **Indu-Sol team** enables service missions and trainings all over the world. We are able to evaluate the communication quality and electromagnetic compatibility of your network with our long-term experience. Several hundred times per year, we are traveling to service missions.



As a **certified Training Center** of the PROFIBUS & PROFINET International (PITC) user organization, we teach you how to handle your automation technology in **internationally recognized practical seminars** - can even take place on your premises if requested!



EMC & OPTIMAL EQUIPOTENTIAL BONDING

Basis for a stable data communication

**CERTAINTY INSTEAD OF EMOTION - EVALUATE
THE QUALITY OF YOUR EQUIPOTENTIAL BONDING!**



The correct configuration (MESH-BN) and the quality of the equipotential bonding are decisive factors for the stability and availability of your network.

INDU-SOL GMBH

Our Mission

Reliable and trouble-free communication is the guarantee for continuous production. Indu-Sol offers a comprehensive range of products and suitable solutions to increase network reliability and stability. The company sees itself as a holistic partner for industrial networks.

Starting with network consulting/planning, through the delivery of components (infrastructure and diagnostics) to on-site technical service – i.e. support with the topics of commissioning, maintenance, repair and training.



The network as the key to Industry 4.0
www.indu-sol.com/networks-in-transition
or use the QR code directly

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