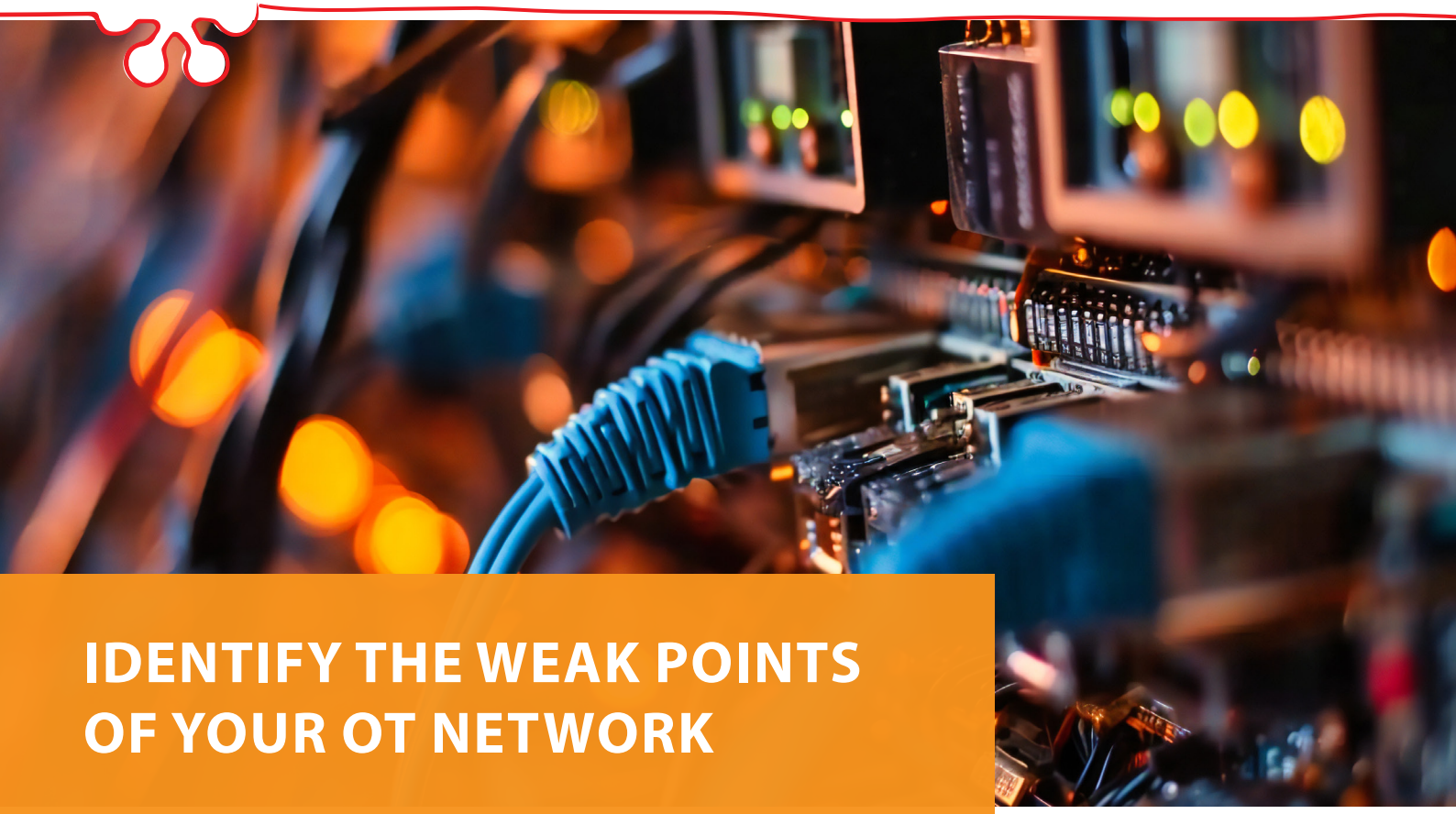
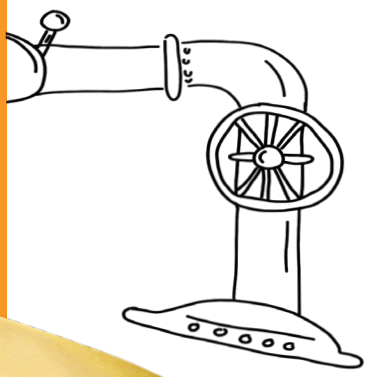
OT NETWORK ANALYSIS

SOITRON x industry



IDENTIFY THE WEAK POINTS OF YOUR OT NETWORK

Operational (OT) networks are a key element in the functioning of equipment and machines in every modern industrial enterprise. They are typically characterised by heterogeneous technological equipment and the use of specific communication protocols. The trouble-free operation of all elements of the OT network infrastructure and smooth and fast communication between production equipment and higher-level systems are key to ensuring smooth and continuous production.



WHAT CAN YOU EXPECT FROM THE ANALYSIS?

- **COMPREHENSIVE ANALYSIS** – Analysis of all layers of the OT network infrastructure, including physical inspection and verification of physical layer parameters
- **NETWORK MAPPING** – Identification of active network devices in the network (switches, routers, firewalls, etc.) and their interconnections
- **DETAILED REPORTS** – Creation of corresponding diagrams (L1, L2, L3 / L3+) and detailed outputs from relevant collected data and sensors
- **INDUSTRY BEST PRACTISE** – Assessment of compliance with relevant industry standards, recommendations based on standards and options for corporate and technical teams
- **NETWORK DESIGN** – Recommendations and proposed changes to network design

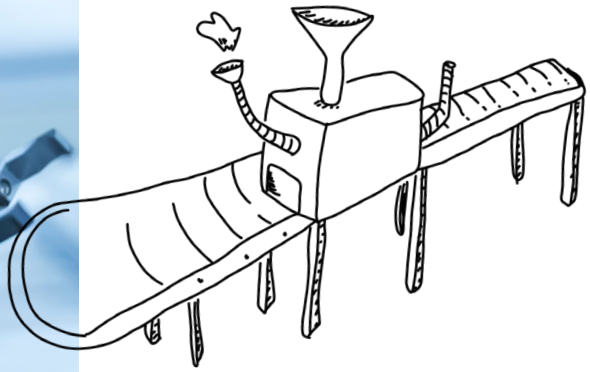
OT NETWORK ANALYSIS

HOW IS THE ANALYSIS PERFORMED?

1. Definition of objectives and scope

2. Site inspection

- Installation of a sensor with Cisco Cybervision and Flowmon, or installation of other special devices and software for in-depth analysis of Profinet and EtherNet / IP communication
- Verification of physical connections and cabling
- Checking environmental conditions (temperature, humidity, cleanliness)
- Checking physical security



3. Data evaluation and recommendations

- Asset inventory - identification and documentation of all network devices
- Network topology mapping - network topology diagrams
- Identification of outdated software and firmware versions
- Compliance and best practice checks - regulatory compliance (internal policies and industry standards)
- Traffic monitoring - identification of services, protocols, normal and abnormal communication patterns, identification of any unsecured protocols or misconfigurations
- Identification of unknown devices
- Security policy check - access control
- Risk assessment - recommendations for network and security improvements

WHY CHOOSE NETWORK ANALYSIS FROM SOITRON?

We understand both worlds, IT and industry. We have been offering solutions for the manufacturing sector for many years. That's why we know exactly what problems you face and what you need.

Our people are specialists in a wide range of technologies, and we invest in their training. We have certified engineers in Profinet and EtherNet / IP communication, design, and operational network security.

SOITRON, member of SOITRON Group

Soitron is a Central European integrator operating in the IT market since 1991. The company's philosophy is to constantly move forward, and that is why it is a leader in implementing unique technologies and innovative solutions. It offers its clients products and services in the field of network and communication solutions, cybersecurity, data centres, IT outsourcing, IT support and advisory. Its product portfolio includes smart police car solutions – Mosy and cybersecurity services – void SOC (Security Operations Center).

Soitron is a part of the Soitron Group and employs more than 850 international experts. The group brings together professional teams in Slovakia, the Czech Republic, Romania, Turkey, Bulgaria, Poland, and the UK.