

The banner features a dark blue background with a network diagram overlay. The diagram consists of white nodes connected by thin white lines, forming a complex web. In the background, there are blurred images of network equipment, including cables and server racks, with some green and red lights visible.

# Network Security Monitoring with nTap

Martin Scheu

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# Agenda

Industrial Environment

Use Case PLC

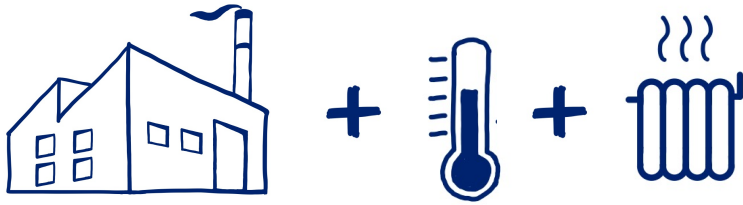
Use Case Lab



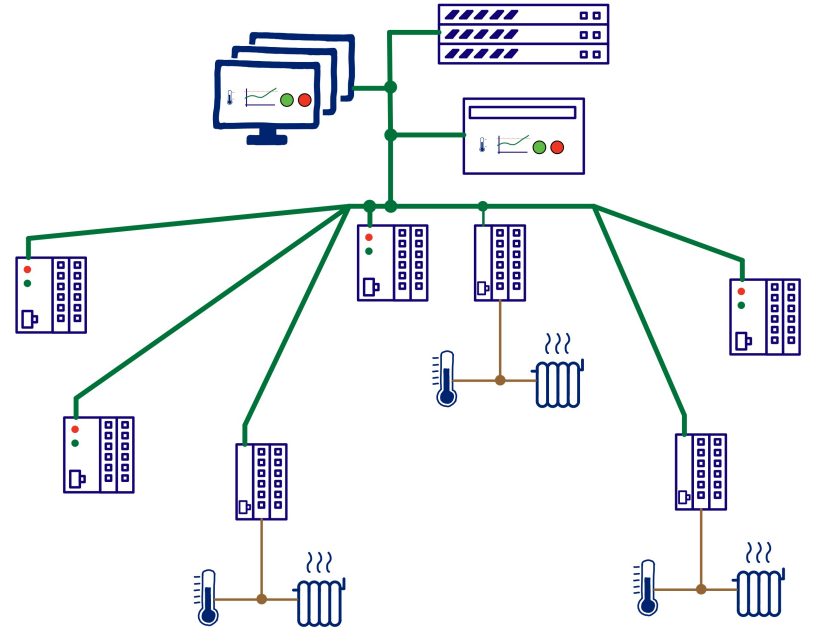
# Industrial Communication

# Environment

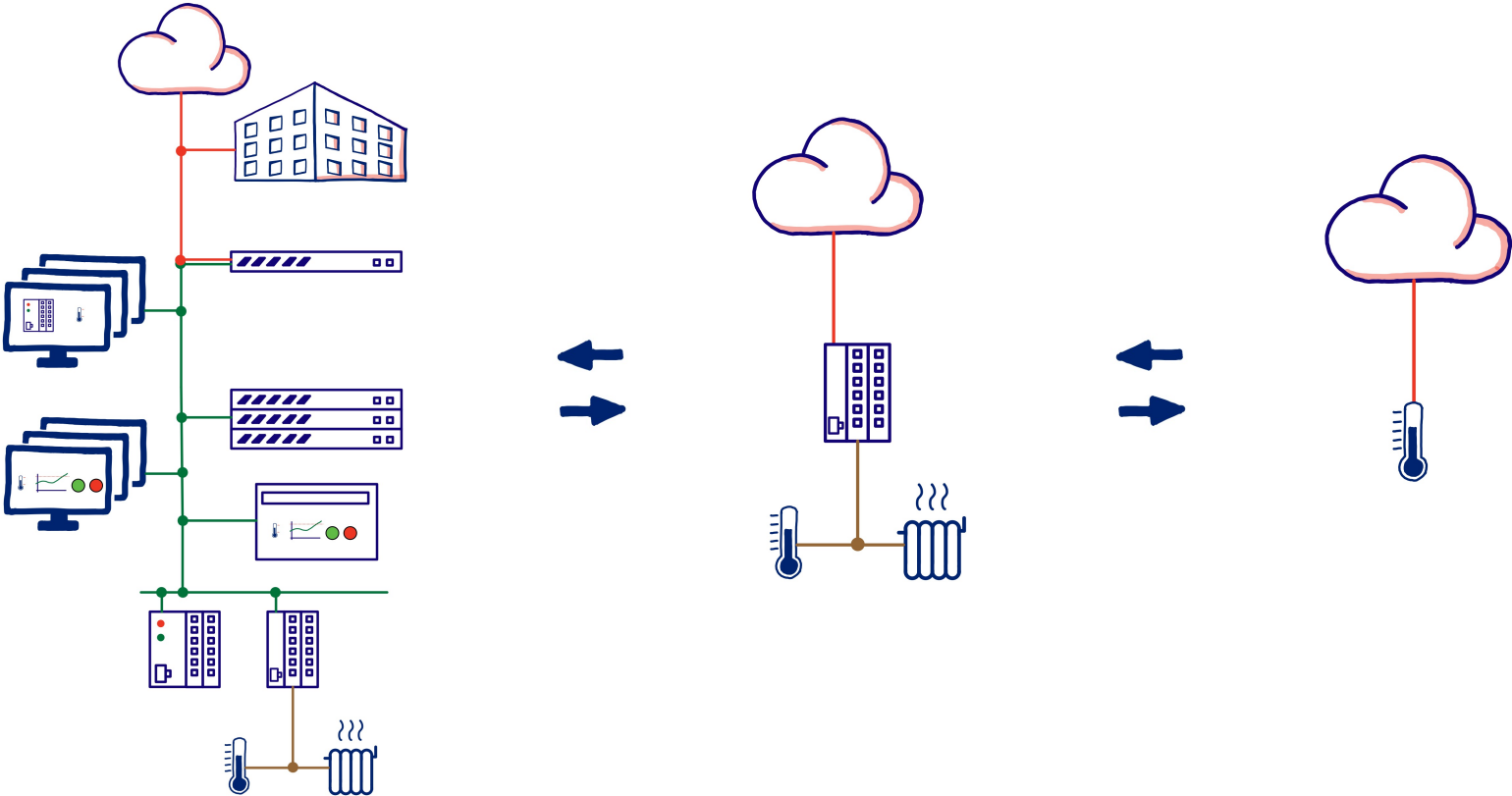
## Industrial Control



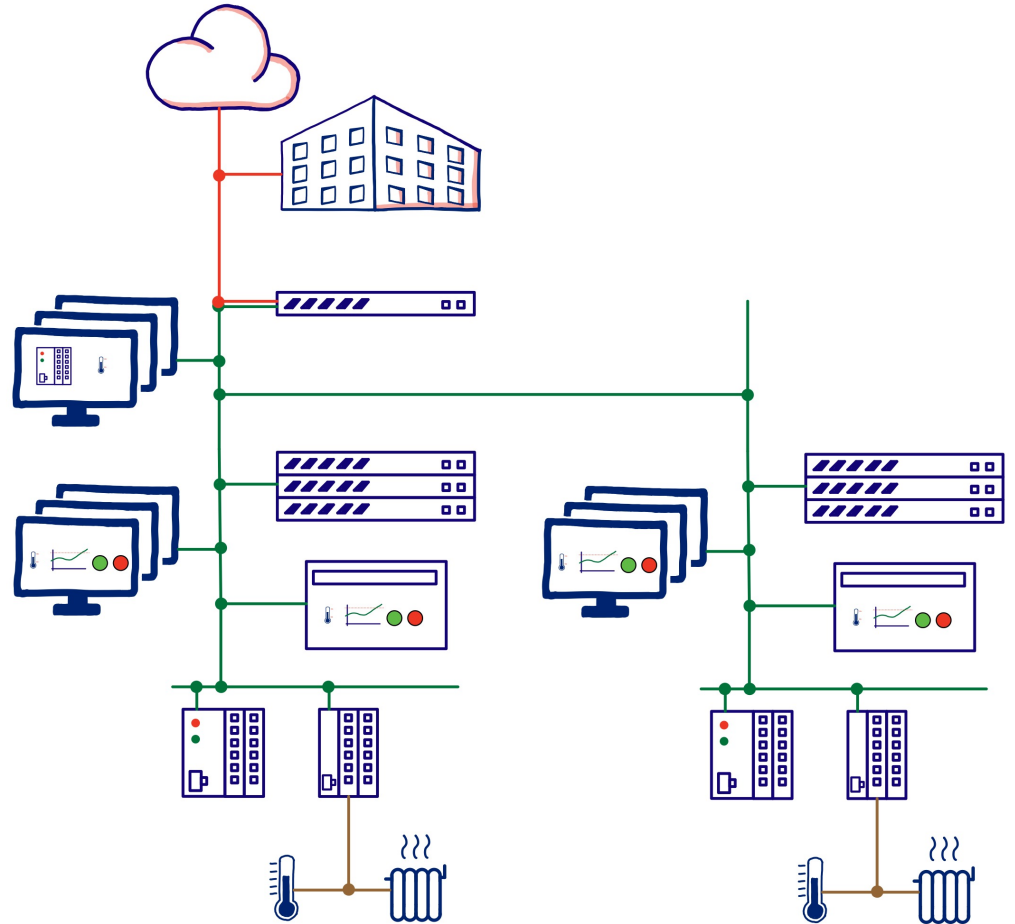
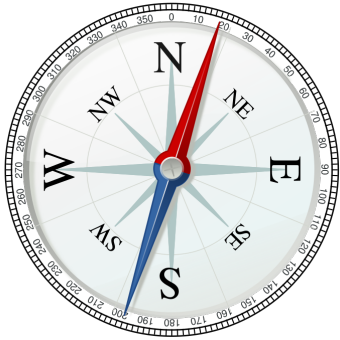
## Distributed setup



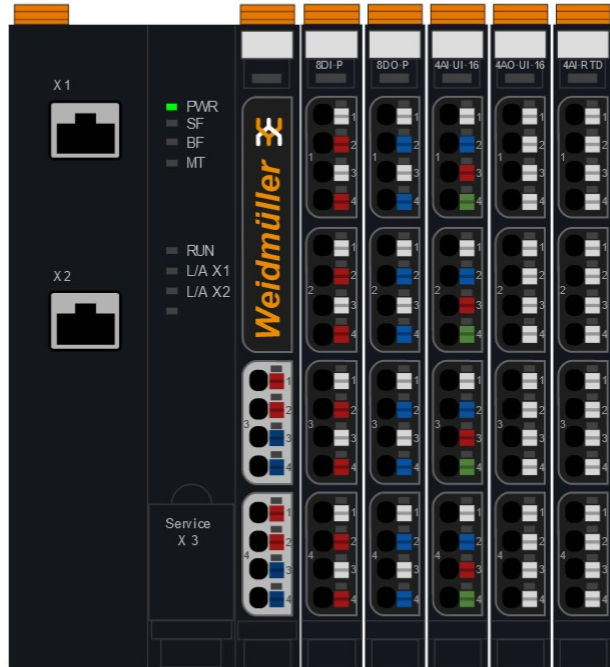
# Connectivity Evolution - Edge and Cloud



# Where to Place the Sensor ?



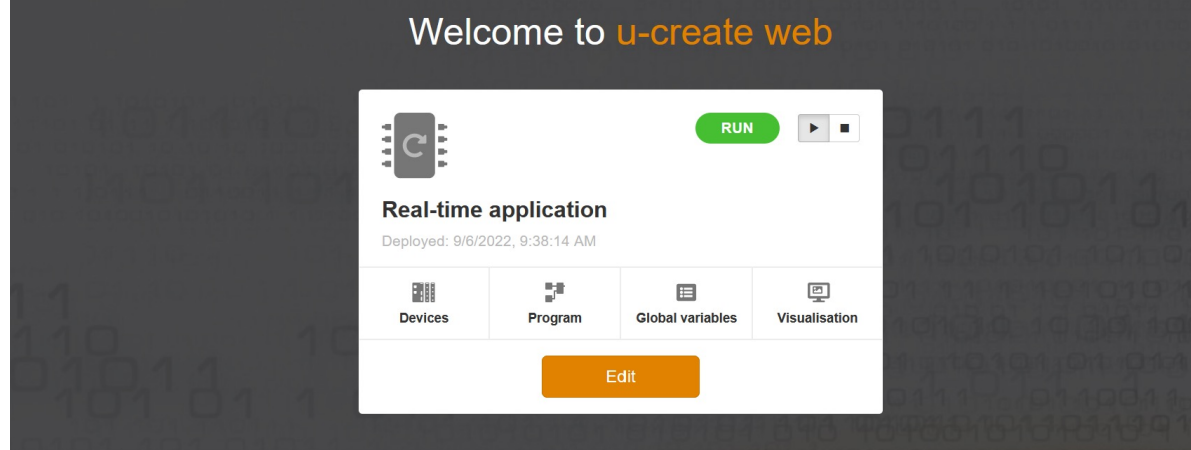
# Use case PLC









- dual core
- dual NIC
- web based programming

# Use case PLC

- no ssh access, but Docker is available!

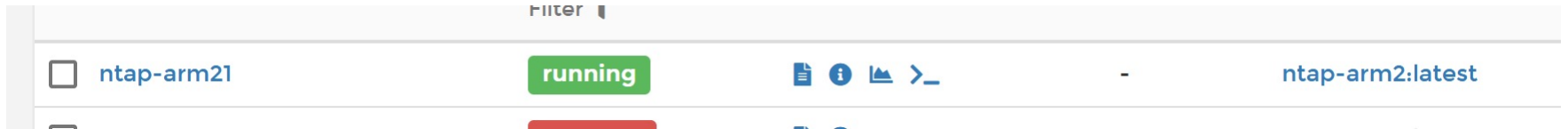
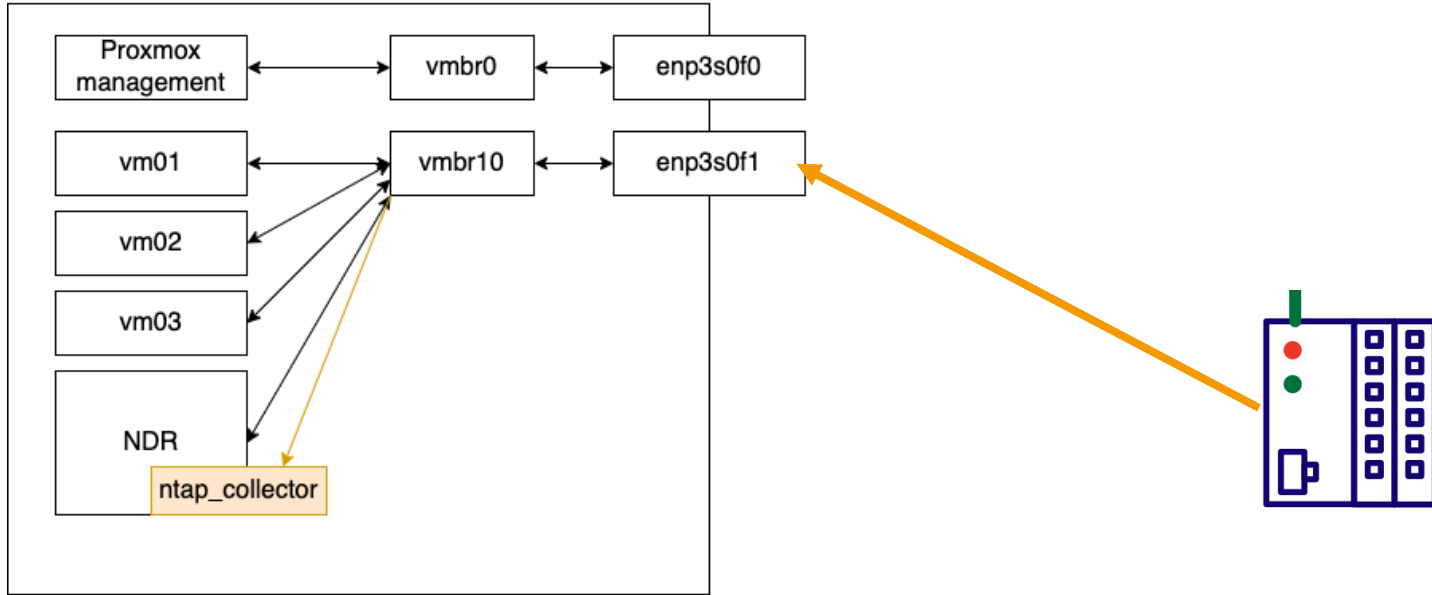


## Add-ons

 <b>Node-RED</b> Flow-based programming tool for transferring and manipulating data from devices, APIs or online services. <a href="#">Open application</a>	 <b>u-link Remote Access</b> Quick remote access for simplified maintenance and increased availability of machines and systems. <a href="#">Open u-link settings</a>	 <b>OPC UA Server</b> Application that exposes services for OPC UA Clients, enabling machine-to-machine communication in industrial automation. <a href="#">Open application</a>
 <b>Modbus TCP server</b> Application for configuring the device as a server in a Modbus TCP network. <a href="#">Open application</a>	 <b>Docker</b> Docker engine for running docker containers on the device. <a href="#">Open application</a>	



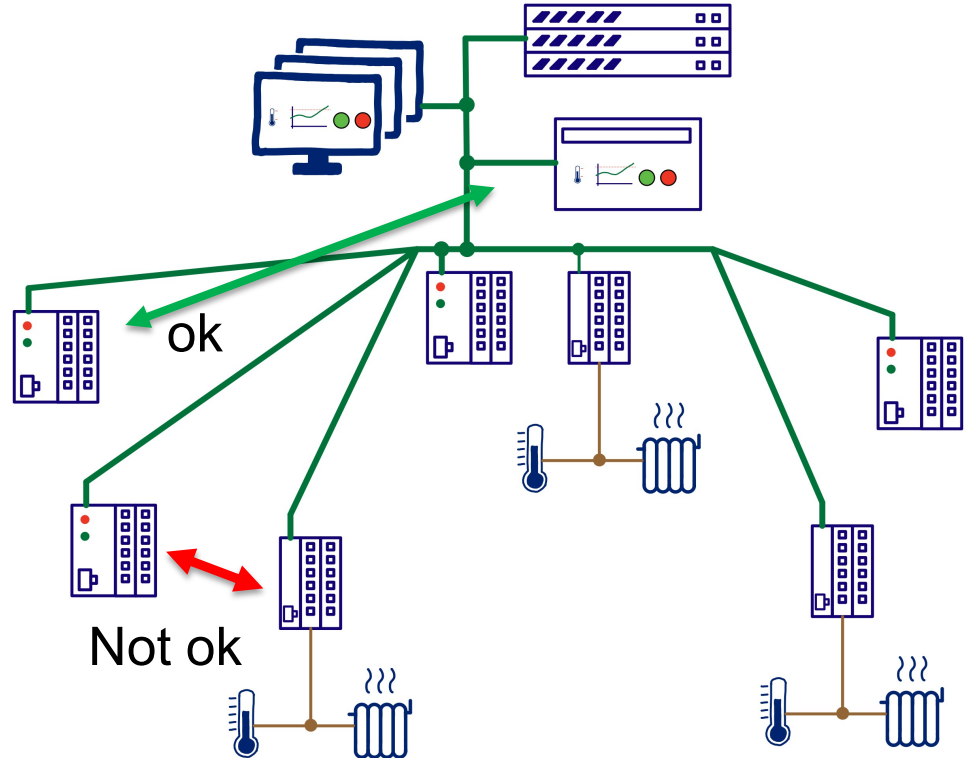
# Use case PLC



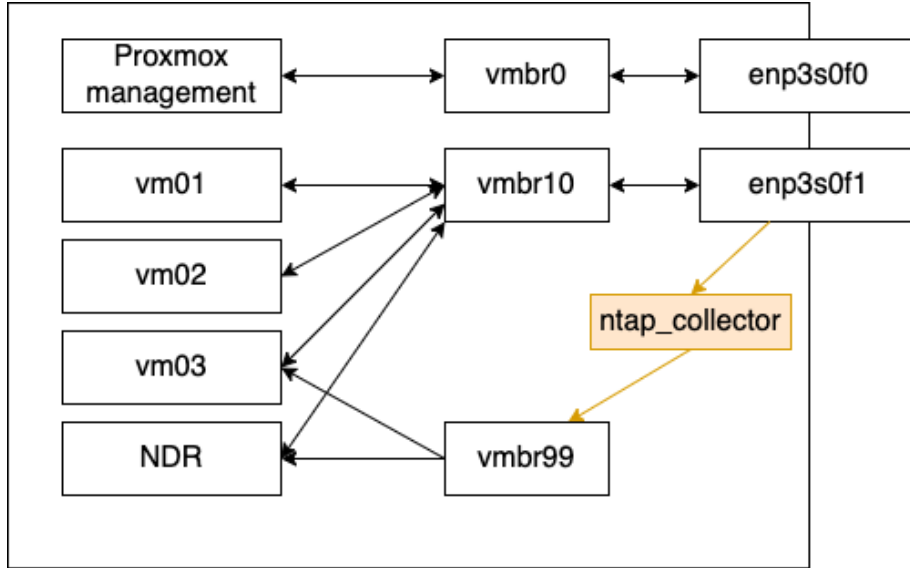
# Use case PLC

Set filter at ntap\_remote:

- PLC to PLC traffic
- Not ICS server to PLC



# Use case NSM Lab





# Thank you!



[martin.scheu@switch.ch](mailto:martin.scheu@switch.ch)



[martin-scheu](https://www.linkedin.com/in/martin-scheu)



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