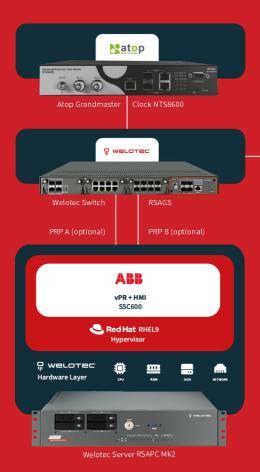
# Multi Vendor vPAC Demo Setup



# Software Stack

- Red Hat RHEL9
  Virtualization Platform (Hypervisor)
- ABB SSC600 Virtual Protection Relay
- OMICRON RelaySimTest
  Protection Testing



# Hardware

- Welotec RSAPC Mk2
  Substation Server
- Welotec RSAGS
  Substation Ethernet Switch
- OMICRON CMC 850
  IEC 61850 Protection Test Set
- Atop NTS8600
  Grandmaster Clock





# Welotec is a German manufacturer, focused on high end substation servers and switches, IEC 61850-3 & IEEE1613 certified!

#### **Substation Server RSAPC Mk2**

- **High-Performance Processor:** The RSAPC Mk2 is equipped with an 11th Gen Intel Xeon processor, offering superior computing power. Choose between 6C/12T or 8C/16T configurations for optimal performance.
- Extended I/O: With a comprehensive range of I/O ports and four PCIe expansion slots, this system can be customized to meet a variety of requirements.
- Fanless Design: The 19-inch 2U rackmount system is fanless, ensuring quiet operation and reducing maintenance needs.
- Wide Temperature Range: Operating in temperatures from -40°C to +70°C, the RSAPC Mk2 is ideal for harsh environments.

## **Gigabit Switch RSAGS**

- High Port Count: 4x 10 Gbps SFP Ports and up to 24 additional gigabit ports
- Precision timing: Hardware support for IEEE 1588v2 PTP as Boundary Clock (BC) and Transparent Clock (TC)
- Redundant protocols: Hardware support for HSR and PRP (with RSAGS-4HSRPRP Module)
- Redundant Power Supply: 24 120 V DC, 120 380 V DC, 100 to 240 V AC

### **Ethernet Switch RSAES**

- **Compact Housing:** Compact DIN Rail Ethernet Switch with 3x Gigabit SFP and 8x 100 Mbits copper ports
- Precision timing: Hardware support for IEEE 1588v2 PTP as Boundary Clock (BC) and Transparent Clock (TC)
- Redundant Power Supply: 24 120 V DC, 120 380 V DC, 100 to 240 V AC



Visit our website to learn more about our innovative products.

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