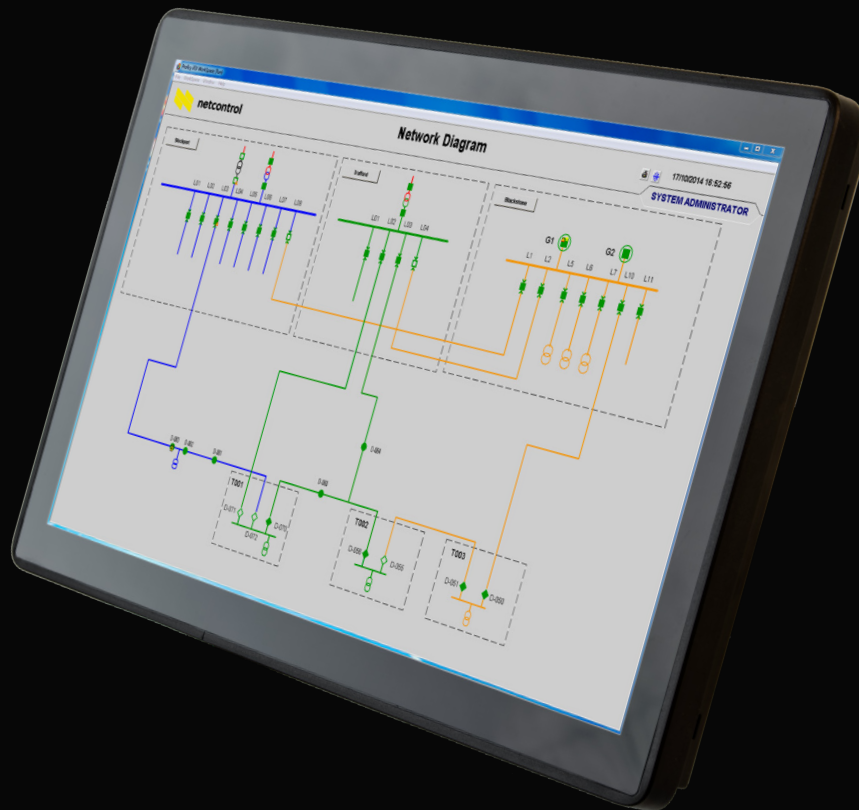—

NETCON 500 OP

Operator Panel for Netcon 500 Outstation

Advanced local functionality for primary substations

NETCON 500 OP

Operator Panel for Netcon 500 Outstation
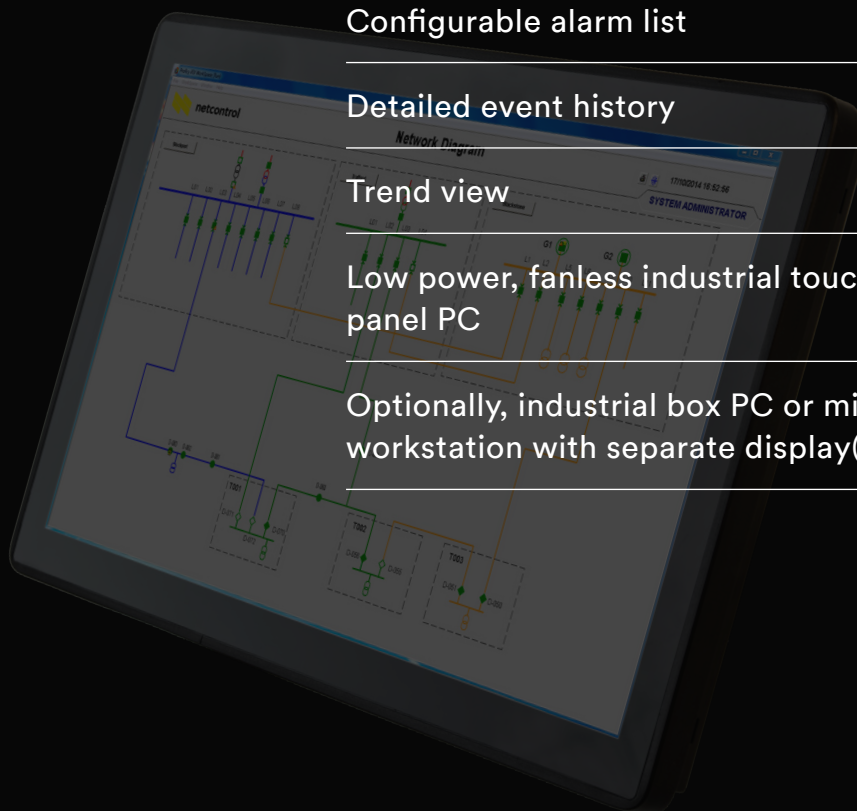
FEATURES

Substation diagrams

Configurable alarm list

Detailed event history

Trend view

Low power, fanless industrial touch-screen panel PC

Optionally, industrial box PC or minitower workstation with separate display(s)

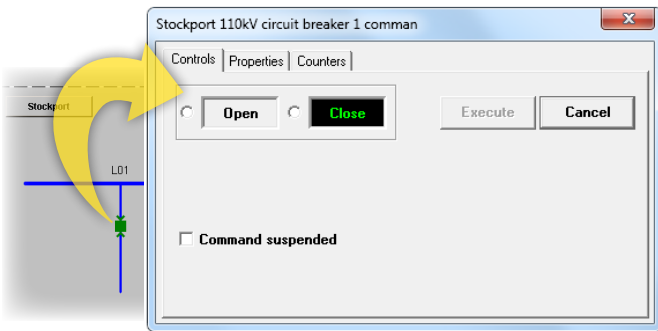# Advanced local functionality for primary substations

The Netcon 500 OP (Operator Panel) is an advanced human–machine interface for the Netcon 500 systems of primary substations. It has all the functionality needed for the local supervision of a substation and offers several hardware options, all hardened for strict cyber security.

FUNCTIONALITY

The Netcon 500 OP provides a clear overview of the current switching state, alarm and event lists and measurements and trends. Its user interface is highly configurable, as in modern SCADA systems.

- Diagrams
  - Display circuit breaker or disconnector state
  - Display measurement values
  - Enable the user to issue switching commands

  - Support for several diagrams, e.g. detailed views of each feeder
- Alarms
  - Display date, time, value and description
  - Background and text coloured according to e.g. alarm level
  - Acknowledge functionality

- Alarm/event history
  - Information about time of change of alarm condition
  - Advanced filter functions
  - Supports up to 100 000 events

- Trends
  - Configurable real time trend view

Advanced local functionality for primary substations

HARDWARE & OS

- Low power, fanless, industrial touch-screen panel PC
- Intel J1900 CPU, 1.9 GHz Quad Core
- 8 GB DDR3 SODIMM
- 2 × M-SATA 120 GB
- 2 × RS-232, 4 × USB, 2 × LAN RJ45
- HDMI, VGA, audio
- Power input options: 12 VDC, 24 VDC, 230 VAC
- Windows 10 IoT

Environmental specifications

- Operating temperature: 0…+50°C
- Operating humidity: 10%…90%

HW options for panel PC

- 18.5″ panel for panel mounting
  – cutout hole: 438 × 264 mm
- 18.5″ panel with 19″ rack mount
- 21.5″ panel for panel mounting
  – cutout hole: 518 × 306 mm
- 24″ panel for panel mounting
  – cutout hole: 555 × 332 mm

SOFTWARE OPTION

- Local functionality for designing and editing diagrams

HARDWARE OPTIONS

Fanless industrial wall-mount FAS Tech box PC

- Intel Core i7 1.7 GHz (4 cores)
- 16 GB RAM, 2 × 500 GB SSD
- Microsoft Windows 10 IoT Enterprise LTSC
- 9…36 VDC power input
- Operating temperature 0…+60°C
- Dell Professional 24″ display

Dell minitower

- OptiPlex XE3 Small Form Factor
  – Intel Core i7-8700 (6 Cores/12 MB/12 T/ up to 4.6 GHz)
  – 8 GB (2 × 4 GB) 2666 MHz DDR4 UDIMM non-ECC
  – 2 × 256 GB SATA SSD
  – Intel GPU for 2 × 4k display
  – Keyboard & mouse
  – Windows 10 IoT LTSC
  – 24″ Dell Professional P2419H display
- Optionally, 2 × 24″ Dell displays
- Environmental specifications:
  – Operating temperature: +10…+45°C
  – Storage temperature: −40…+60°C
  – Operating humidity: 20…80%