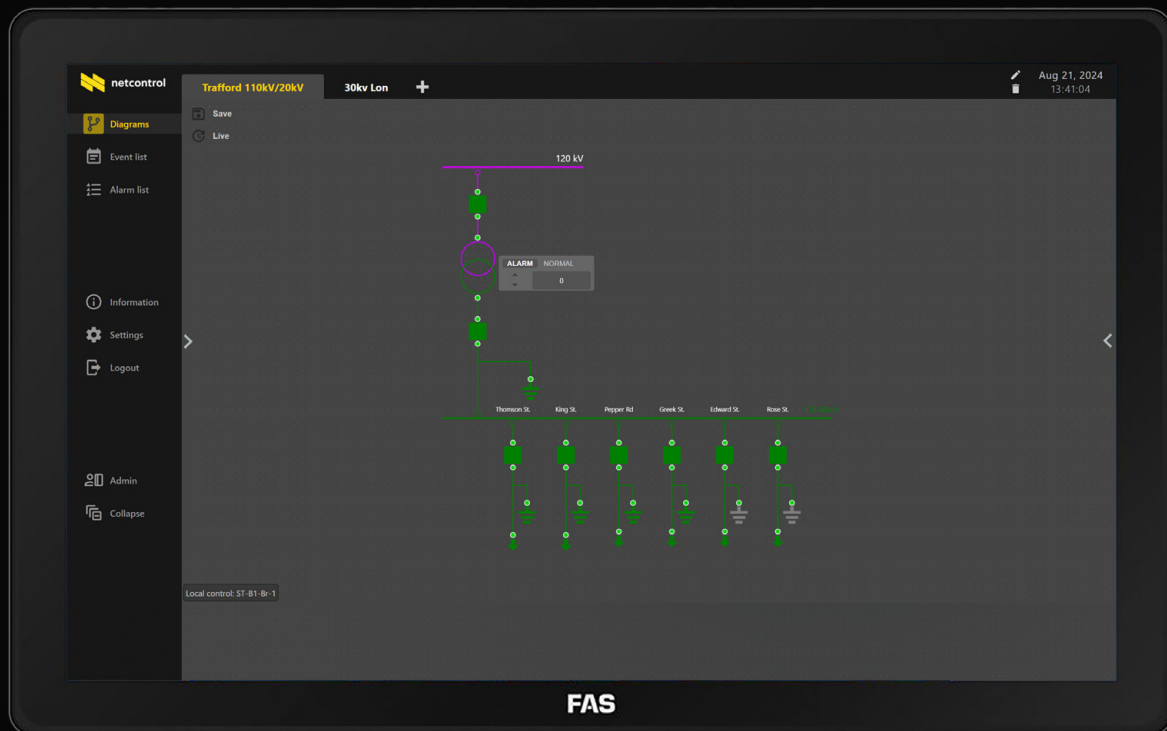


NETCON 500 WEBHMI

Touch panel with easy to use HMI software for the Netcon 500 substation



Advanced local functionality for primary substations



NETCON 500 WEBHMI

Touch panel with easy to use HMI software for the Netcon 500 substation

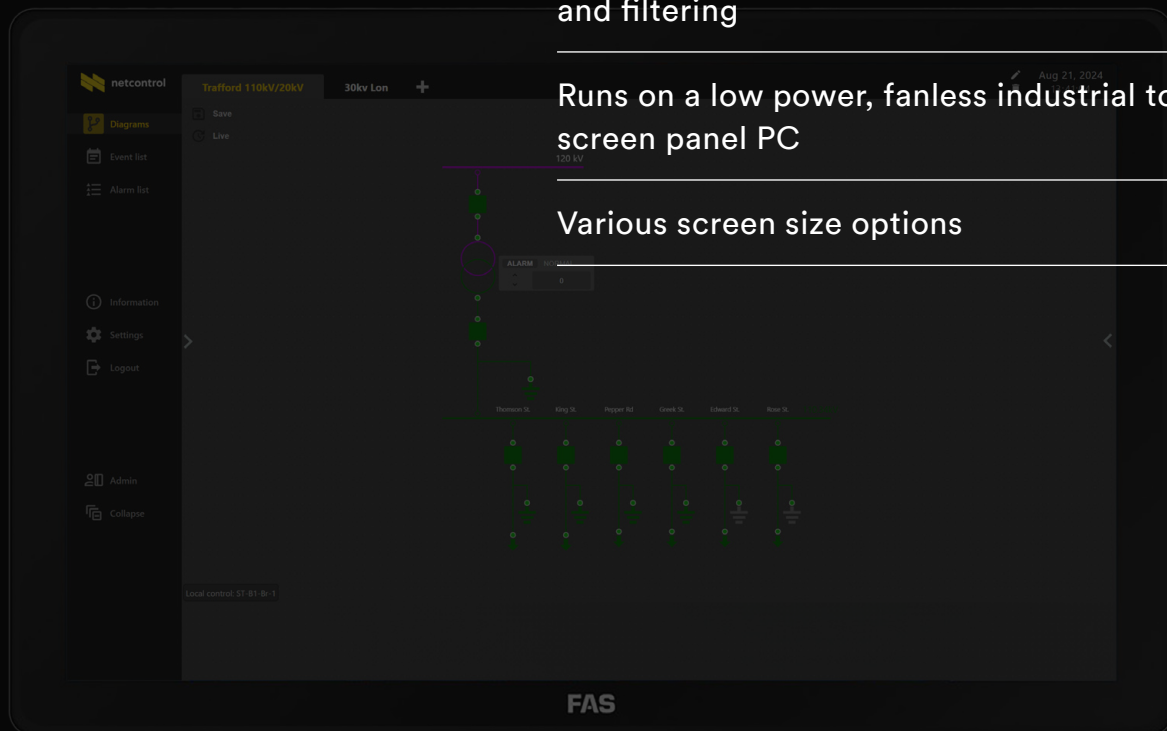
FEATURES

Single line diagrams (SLDs) for the substation that are easy to create and to use

Configurable event and alarms list with sorting and filtering

Runs on a low power, fanless industrial touch-screen panel PC

Various screen size options



Easy to use, easy to configure local functionality for substations

The Netcon 500 WebHMI is a flexible browser-based human-machine interface for the Netcon 500 systems of primary substations. It has all the functionality needed for the local supervision of a substation. The hardware is hardened for strict cybersecurity.

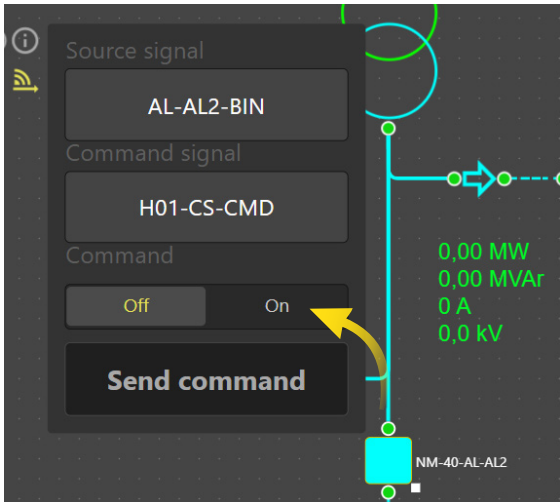
INTRODUCTION

The Netcon 500 WebHMI provides a clear overview of the current substation switching state, along with measured values, events and alarms. The user interface makes it easy to build the interactive single line diagrams (SLDs) that form the backbone of the SW functionality.

FUNCTIONALITY

Single line diagrams

- Display of circuit breaker and disconnector positions with the ability to maneuver these
- Display of measured values



- Several diagrams are supported, with a special diagram showing the SW components

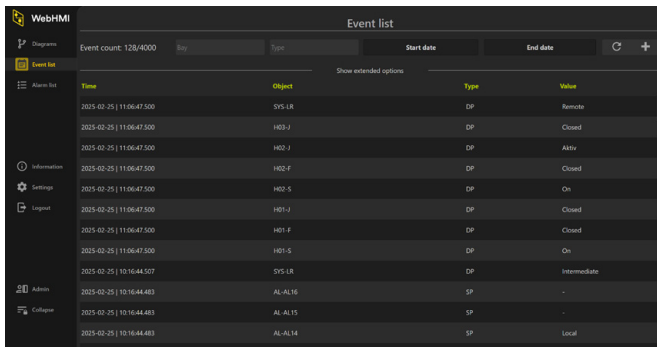
Configurable alarm list

- List displays date, time, value and description of alarms
- Time column colored according to object priority, reflecting alarm urgency
- Acknowledge functionality for a single alarm or all alarms, with optional auto acknowledgement

WebHMI	Alarm list						Column editor
	Class	Time ↓	Type	Tag	Desc	Ack	
Diagrams	High	2025-02-25 11:06:47.50	DP	NM-40-H02-F	Disconnecter 2	!	
Event list	Critical	2025-02-25 11:06:47.50	DP	NM-40-H02-J	Ground 2	!	
Alarm list	LowLow	2025-02-25 11:06:47.50	DP	NM-40-H03-J	Ground 3	!	
	Low	2025-02-25 11:06:47.50	DP	NM-40-SYS-LR	Local/remote	!	
	Medium	2025-02-25 10:16:44.481	SP	NM-40-AL-AL12	Alarm 12	!	
Information	Medium	2025-02-25 10:16:44.477	SP	NM-40-AL-AL2	Alarm 2	!	
Settings	Critical	2025-02-25 10:16:44.477	SP	NM-40-AL-AL4	Alarm 4	!	
Logout	Low	2025-02-25 10:16:44.477	SP	NM-40-AL-AL6	Alarm 6	!	
	High	2025-02-25 10:16:44.477	SP	NM-40-AL-AL8	Alarm 8	!	
	LowLow	2025-02-25 10:16:44.477	SP	NM-40-AL-AL10	Alarm 10	!	



Advanced local functionality for primary substations



Time	Object	Type	Value
2025-02-25 11:06:47.500	SYS-IR	DP	Remote
2025-02-25 11:06:47.500	H03-J	DP	Closed
2025-02-25 11:06:47.500	H02-J	DP	Active
2025-02-25 11:06:47.500	H02-F	DP	Closed
2025-02-25 11:06:47.500	H02-S	DP	On
2025-02-25 11:06:47.500	H01-J	DP	Closed
2025-02-25 11:06:47.500	H01-F	DP	Closed
2025-02-25 11:06:47.500	H01-S	DP	On
2025-02-25 10:16:44.507	SYS-IR	DP	Intermediate
2025-02-25 10:16:44.483	AL-AL16	SP	-
2025-02-25 10:16:44.483	AL-AL15	SP	-
2025-02-25 10:16:44.483	AL-AL14	SP	Local

Configurable event list

- List shows information about the time of changes, e.g., of those leading to alarms
- Advanced filter functions, including the following criteria:
 - Time
 - Type
 - Bay
 - Device

Other

- Comprehensive access control
 - Several user levels, with both generic and personal accounts
 - Support for a RADIUS server
- UI language support
 - English
 - Swedish
 - Finnish
 - Norwegian
 - Latvian
- Automatic periodic backups of SW configuration onto GW502

HARDWARE & OS

- Low power, fanless, industrial Panel PC with a touch screen
- Celeron J6412 processor
- 8 GB RAM, 128 GB M2, 8 GB internal USB memory
- Redundant power inputs: 9...36 VDC
- Windows 11 IoT Enterprise
- 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

