

AQtivate PRO - Substation Management Software

The AQtivate PRO software offers a truly plug and play solution to control and manage Arcteq's innovative AQ 200 series IEDs. The AQtivate PRO scalability makes it suitable for variety of applications. It can be applied as a cost efficient permanent substation HMI or as a protection maintenance and back-up control system. The AQtivate PRO supports mobile application and can be installed in laptop computers for portable substation management solutions.

The AQtivate PRO's protection maintenance package can be used to improve protection commissioning and periodic testing quality. The protection maintenance package allows collecting commissioning records from IEDs at any time and for any period of time. Operators may also automatically insert trip information from IEDs into a periodic testing template to eliminate unnecessary testing.

The AQtivate PRO Substation Management Software works either on fixed Ethernet connections or wireless Ethernet networks and it supports secured VPN connections.

AQtivate PRO - Benefits

Total substation management solution

- Engineering tool for drag and drop of files into IEDs
- Measurement trend displays
- Consolidated chronological views of substation events and alarms with time stamp
- Automatic disturbance recorder download
- Remote setting and fault register access
- Accurate protection maintenance data

Switchgear control

- Switching state indication
- Remote control

Savings in engineering time

- No time consuming system configuration and engineering required
- Automatic detection of AQ 200 series IEDs connected over Ethernet
- Automatic data acquisition over Ethernet
- Upload of IED configuration, setting and IEC 61850 CID files through Ethernet network using drag and drop feature

Permanent or mobile system

- AQtivate PRO may be installed either permanently in substation computer or in a laptop computer for portable use
- LAN or WLAN communication
- Support for secured VPN connections

Improve protection site testing quality with reduced cost

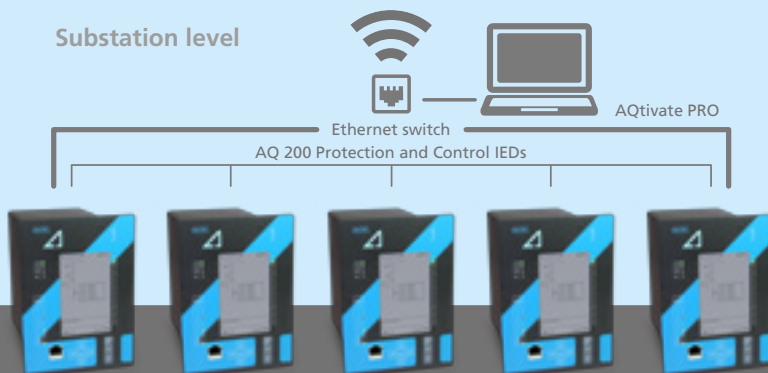
- Retrieve commissioning and periodic testing records from the IEDs
- Protection trips during faults can be included in the records automatically to eliminate unnecessary testing

Remote access



AQtivate PRO

Substation level

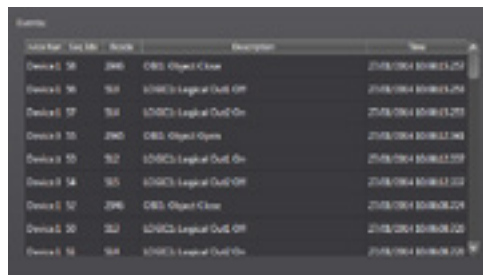
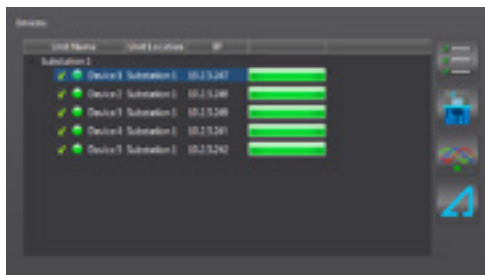


ARCTEQ

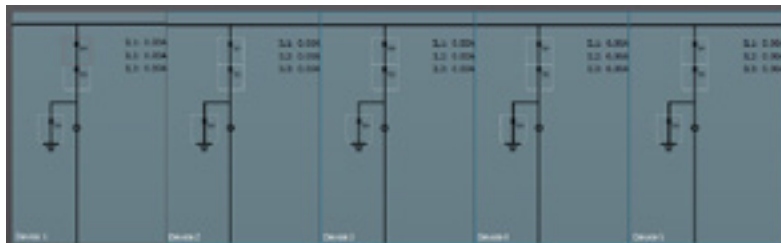
RELAYABLE POWER

AQtivate PRO software modules

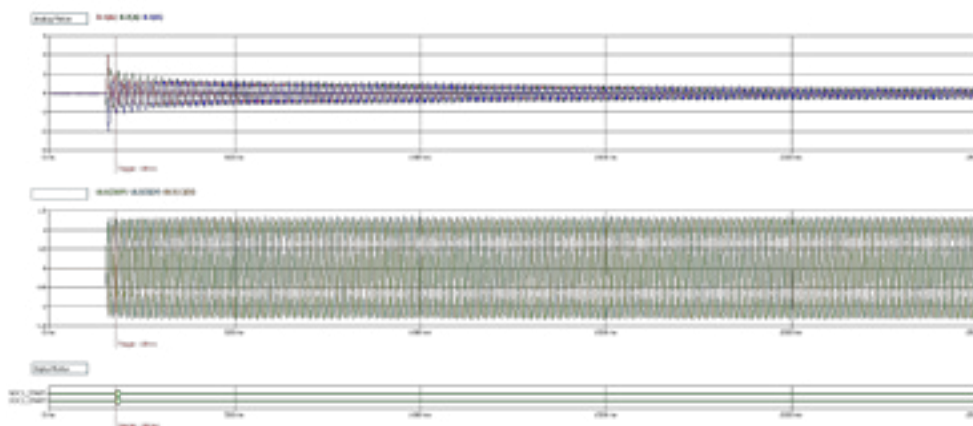
Feature\ Module	Engineering	Monitoring	Control	Full
Automatic IED recognition over Ethernet	✓	✓	✓	✓
AQtivate 200 remote access	✓	✓	✓	✓
Drag and drop of IED setting and CID files	✓	✓	✓	✓
Automatic disturbance recorder download	✓	✓	✓	✓
Substation event and alarm lists		✓	✓	✓
Substation online measurement		✓	✓	✓
Measurement trend displays		✓	✓	✓
Switching device status monitoring		✓	✓	✓
Switching device remote control			✓	✓
Protection maintenance module (Includes Engineering module)	✓ (option)	✓ (option)	✓ (option)	✓



All substation events are displayed and can be exported to a file. Any critical event can be listed as alarm and displayed in a separate active alarm screen.



Substation switching status is visualized remotely using IED Mimic displays. Convenient rearrangement of displays is available as a standard feature. Optional control module provides for remote control of circuit breakers and other controllable objects.



Automatic disturbance recorder downloading facilitates fault analysis.