



ABRIOX

MERLIN

CATHODIC PROTECTION
CPSM SOFTWARE

MONITORING AND CONTROL FOR OIL AND GAS

OVERVIEW

MERLIN CPSM (Cathodic Protection System Manager) is a dedicated PC-based database software package for displaying, archiving and exporting data from MERLIN monitors.

Data from MERLIN monitors is automatically stored and transmitted in a management report to the system HQ where it is then displayed and archived in the PC based MERLIN CPSM software. CPSM provides full remote configuration of all MERLIN monitors. If required, two instances of CPSM can be installed as separate HQs. This can be useful where CP Engineers are in different locations. Changes made at one HQ are automatically updated at the other HQ with a full audit trail of all changes made to the system.

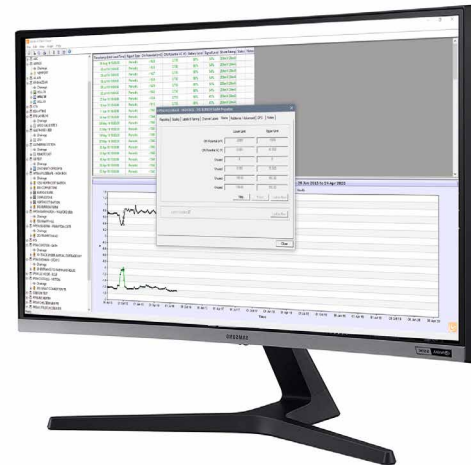
For monitors communicating via a cellular network, a USB modem is supplied by Abriox which is connected to the PC running the CPSM software. For MERLIN XT monitors which communicate via satellite, an internet connection is required. The data is uploaded to CPSM automatically in either case.

Two CPSM License types are available:

- ▶ **Controller License** - Full control over the CPSM system, including remote monitor configuration
- ▶ **Viewer License** - Read-only access to the CPSM system but no configuration or control of the units

FEATURES AND BENEFITS

- ▶ Standard software interface for all types of MERLIN monitor
- ▶ Graphical and numerical data display
- ▶ Overview shows status of all monitors on pipeline
- ▶ Remote synchronized interruption for all rectifiers on a pipeline
- ▶ On-demand data from rectifiers
- ▶ Configurable data export and interface options
- ▶ Alarm folders for quick identification of CP incidents
- ▶ User alerts to specified email addresses or cell numbers
- ▶ Notes facility for locations and individual reports
- ▶ Installation wizards for easing rapid deployment of monitors
- ▶ 1 or 2 CPSM HQs can be installed
- ▶ One-off purchase, no ongoing cost
- ▶ Free software upgrades



ABOUT US

Abriox is a dynamic high technology company specializing in remote monitoring and control for pipelines with US Headquarters in Ohio and European and International Headquarters in the UK.

GET IN TOUCH

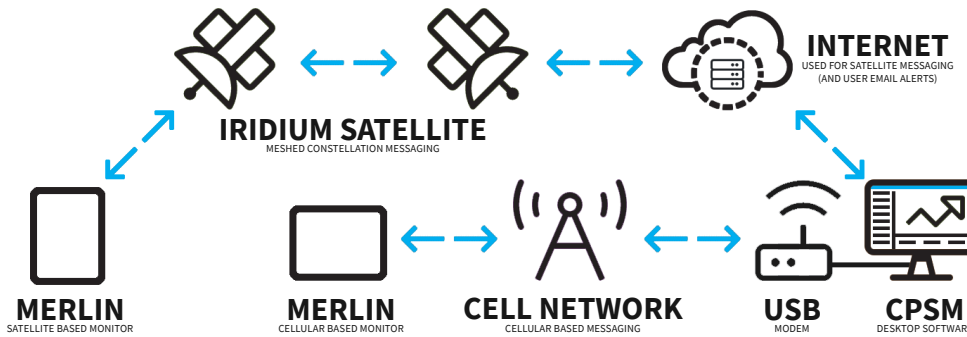
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SCAN TO FIND OUT MORE



**MONITORING AND CONTROL
FOR OIL AND GAS**



TECHNICAL SPECIFICATIONS

MERLIN MONITOR LOCATION CONFIGURATION

- ▶ Pipeline/Location ID
- ▶ Measurement modes and reporting times
- ▶ Channel labels
- ▶ Shunt/coupon values
- ▶ Chainage distances
- ▶ Time zone
- ▶ Help “wizards” for configuring:
 - ▶ Location settings prior to installation
 - ▶ Data export settings
 - ▶ Communications

DATA DISPLAY

- ▶ Pipeline overview or monitor location
- ▶ Graphical display with supporting numerical data table
- ▶ Configurable for days/weeks/months/all data and measurement channels
- ▶ Auto-scaling with viewable min/max levels
- ▶ Network and satellite communications information
- ▶ Unit battery level and status information

ALARM IDENTIFICATION

- ▶ Low/high alarm thresholds on all channels
- ▶ SMS (text message) or email alerts to staff
- ▶ All units in alarm highlighted in folders

ON-DEMAND DATA FROM RECTIFIERS

- ▶ Measurements on all monitoring channels
- ▶ Status and configuration of MERLIN monitors

SYNCHRONIZED INTERRUPTION

- ▶ Start/stop interruption of all/specific rectifiers
- ▶ Configurable ON/OFF intervals
- ▶ Color-coded interruption status

DATA MANAGEMENT

- ▶ Configurable data period and channels
- ▶ Export as CSV file or cut/paste from numerical data table
- ▶ Exportable “installed assets” snapshot
- ▶ Data export into asset management software
- ▶ Add notes to specific locations or reports
- ▶ Configurable data export and interface options

Specifications are subject to change without prior notice

SYSTEM REQUIREMENTS

CPSM has been developed to be compatible with Windows 7 and Windows 10. We recommend you use the latest version of the Windows 10 Operating System.

Minimum Specifications:

- Processor: 2GHz
- Memory: 128MB RAM
- Hard Disk Drive: 100MB Free
- Display: 1024 x 768 Resolution
- Communications: USB Port
- Operating System: Windows 7

Recommended Specifications:

- Processor: 4GHz+
- Memory: 8GB+ RAM
- Hard Disk Drive: 10GB+ Free
- Display: 1920 x 1080 or Higher Resolution
- Communications: USB Port
- Operating System: Windows 10

