



ABRIOX

MERLIN

CATHODIC PROTECTION
iCPSM SOFTWARE

MONITORING AND CONTROL
FOR OIL AND GAS

OVERVIEW

MERLIN iCPSM⁴ (Internet based Cathodic Protection System Manager) is an online database software package for displaying, archiving and exporting data from MERLIN monitors. It also provides full remote configuration of all MERLIN monitors directly from a web browser.

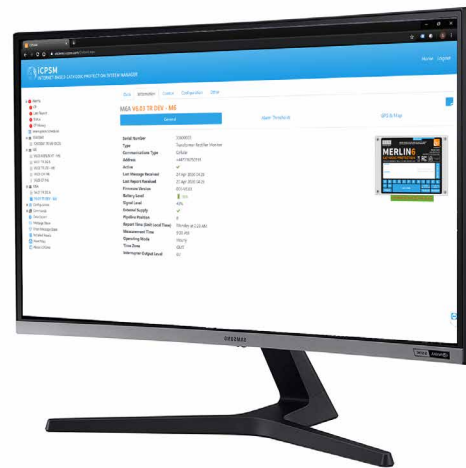
The great advantage of iCPSM is that multiple users can access corporate rectifier and CP data via the internet with no requirement for special software or set-up. Data from MERLIN monitors is held in a client-specific, secure database, hosted by Abriox, where it can be viewed and downloaded from any web browsing device. This is essential where CP Engineers are located in different offices – or even in different countries!

Three iCPSM License types are available:

- ▶ **Controller License** - Full control over the iCPSM system, including remote monitor configuration
- ▶ **Technician License** - Operational control but without the ability to change the system or unit configuration. A Technician has full viewing functionality and can also perform operations such as pipeline interruption, taking on-demand readings and exporting data
- ▶ **Viewer License** - Read-only access to the iCPSM system but no configuration or control of the units

FEATURES AND BENEFITS

- ▶ Access to rectifier and CP data anytime/anywhere (via internet)
- ▶ 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
- ▶ Secure database running on dedicated servers
- ▶ No software installation required
- ▶ Compatible with the latest browsers such as Chrome, Firefox and Microsoft Edge
- ▶ Multiple users can log in and access data



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.

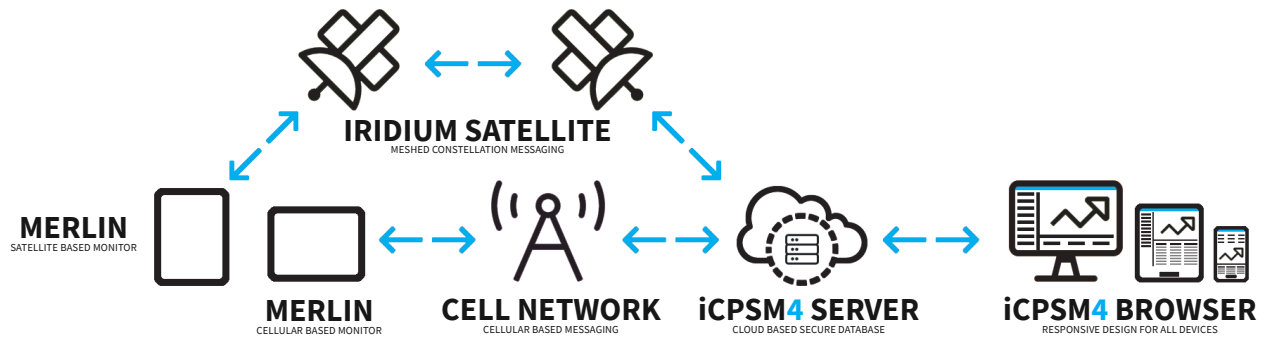
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TECHNICAL SPECIFICATIONS

MERLIN MONITOR LOCATION CONFIGURATION

- ▶ Pipeline/Location ID
- ▶ Measurement modes and reporting times
- ▶ Channel labels
- ▶ Shunt/coupon values
- ▶ Time zone

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

iCPSM4 has been developed to be compatible with most modern browsers. We recommend you use the latest version of your chosen browser. iCPSM4 has been tested on Microsoft Edge, Google Chrome, Opera, and Firefox.

SOFTWARE LICENCE TYPES

Controller licenses require individual names for traceability of actions. If a corporate username is used traceability may be lost.

Technician and **Viewer** Licences are available in Single-User (assigned to a named individual; only one person can be logged in at any one time) and Corporate (assigned to a company; unlimited simultaneous log-in) versions.