CP-Data management system CPDMS™

Created for corrosion protection data management by corrosion protection experts

If you need a cathodic protection data management system based on periodic data collection, then -*CPDMS™*- is the tool you need. Data collection in cathodic protection systems is a complex matter and the databases needed to store the vast amount of data generated must be well designed, flexible and yet easy to use. -*CPDMS™*- has been specially created for use on multiple sites and plants with subsystems. Data can be collected using portable equipment, and cathodic protection personnel and can than perform an required management, storage and migration operations with a minimum of effort. -*CPDMS™*- lowers the administrative costs of operating cathodic protection systems by enabling staff freeing personnel to perform engineering tasks or other works. -*CPDMS™*- is an indispensable package for cathodic protection professionals. It allows the scheduling of routine field data collection, the monitoring of CP system performance and effectiveness, the location of system failures or other operating problems, the preparation of on site regulatory audits and all other tasks necessary for total CP system management.

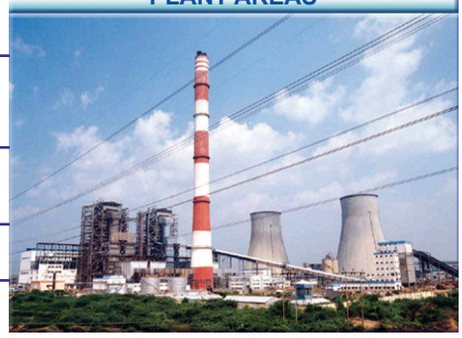
For more than 10 years, -*CPDMS™*- has been implemented in many of cathodic protection systems. We are continuously improving and upgrading the software using the wealth of day-to-day experience gathered in cathodic protection data management operations. It has been developed by engineers and experts to satisfy the requirements of cathodic protection professionals - from data managers to field maintenance departments, from investigators to statisticians. No other commercially available software package has such a strong background in cathodic protection.
-*CPDMS™*- combines flexibility with easy-of-use. It has a proven track record in managing all types and configurations of cathodic corrosion protection systems. Starting from the individual needs of small companies right up to the special requirements of the largest major oil companies working in accordance with extensive, well defined internal standards, and everything else in between.

German Cathodic Protection

protected by GCP

CP - Systems and Measurement Data Collection

PLANT AREAS



- DC voltage, DC current → T/R unit
- Resistance, Potentials → Insulating Flanges
- Anode chain currents → Anode Junction Box
- ON-Potential → Various Area Locations

PRODUCTION WELL CASINGS

- DC voltage, DC total current, DC single currents → T/R unit or solar unit
- Anode chain currents → Anode Junction Box
- Well current, Flowline current, ON/OFF potential well, ON/OFF potential flowline, Resistance I-flange → Cathode Junction Box
- ON/OFF potential flowline, Resistance I-flange → Manifold

PIPELINES

- DC voltage, DC current → T/R unit or solar unit
- Anode chain currents → Anode Junction Box Deep Groundbed
- Anode single currents → Anode Junction Box Shallow Groundbed
- ON/OFF Potential, Resistance casing, Resistance I-flange, Line current, Interference at crossings → Various Test Stations

JETTIES

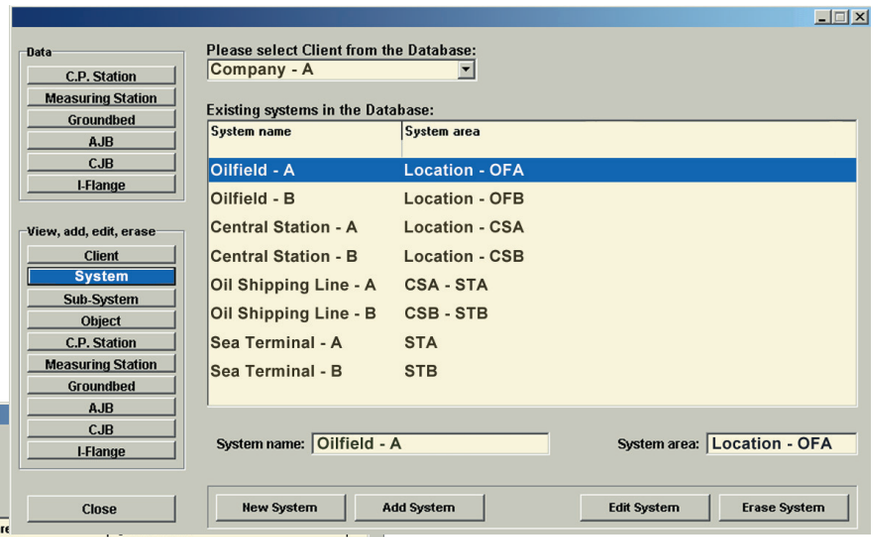
- DC voltage, DC current → T/R unit
- Anode single currents → Anode Junction Box
- ON/OFF Potential → Various Test Stations

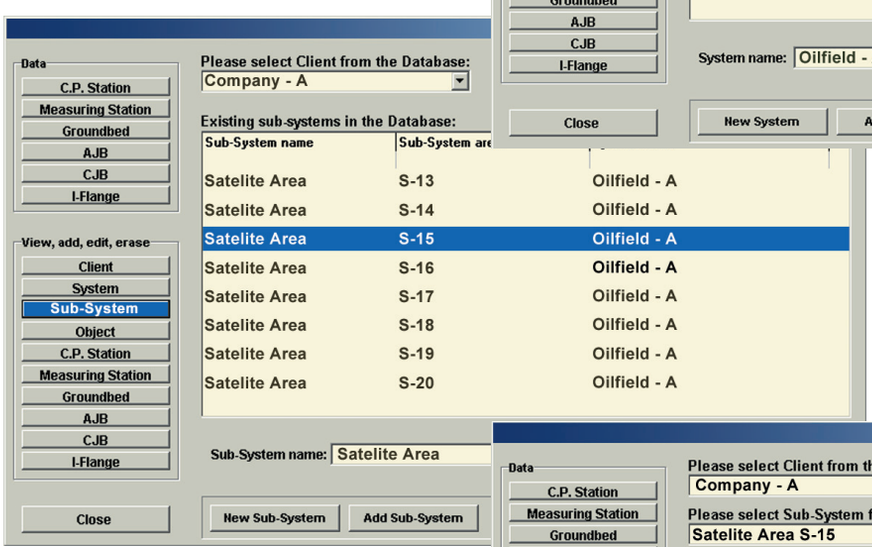
MODATA is a portable instrument used to collect and transfer remote data

to a PC via interface for analysis and graphing using -*CPDMS™*- software

Graphical Displays

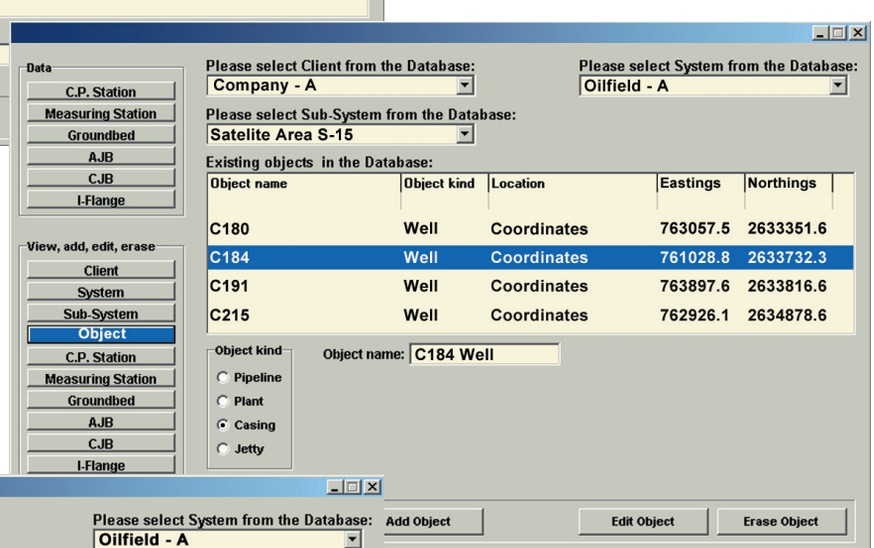
Data collection in cathodic protection systems is a complex matter and the databases needed to store the vast amount of data generated must be well designed, flexible and yet easy to use.

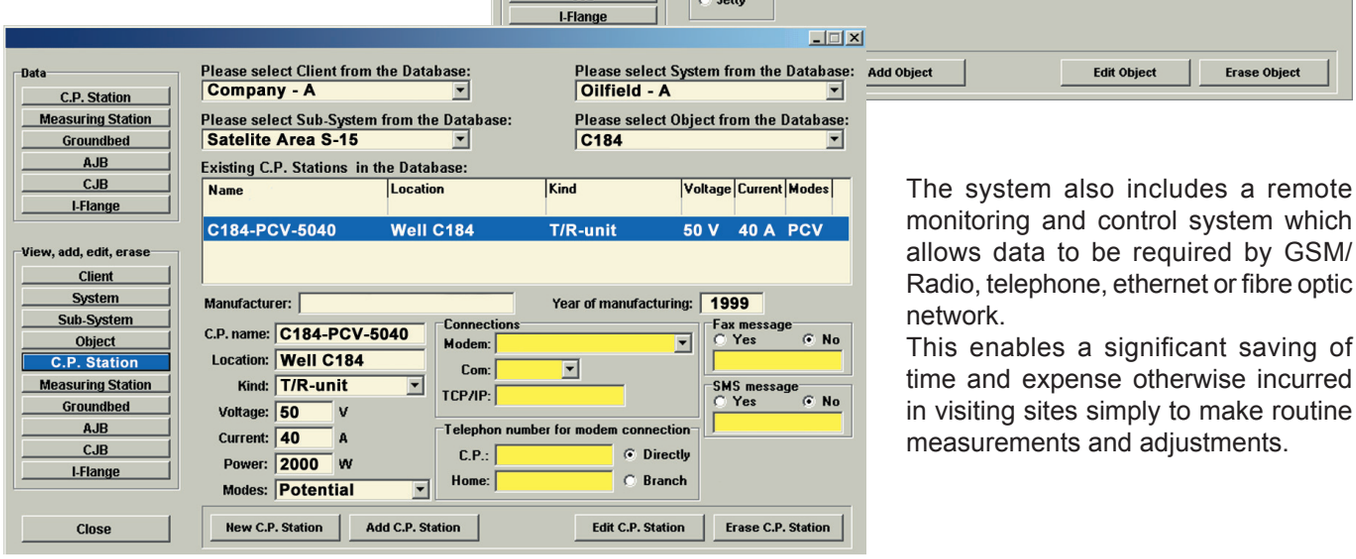




The system must offer comprehensive support for the intricate procedures required in a regulated environment. It must ensure data quality control, special coding terminologies, query management, database loading and exporting functions, etc.

The software for multiple cathodic protection systems and subsystems. Local users can use their own existing network for system maintenance.
Graphical displays with all recorded data are easily produced for interpretation by corrosion protection staff.

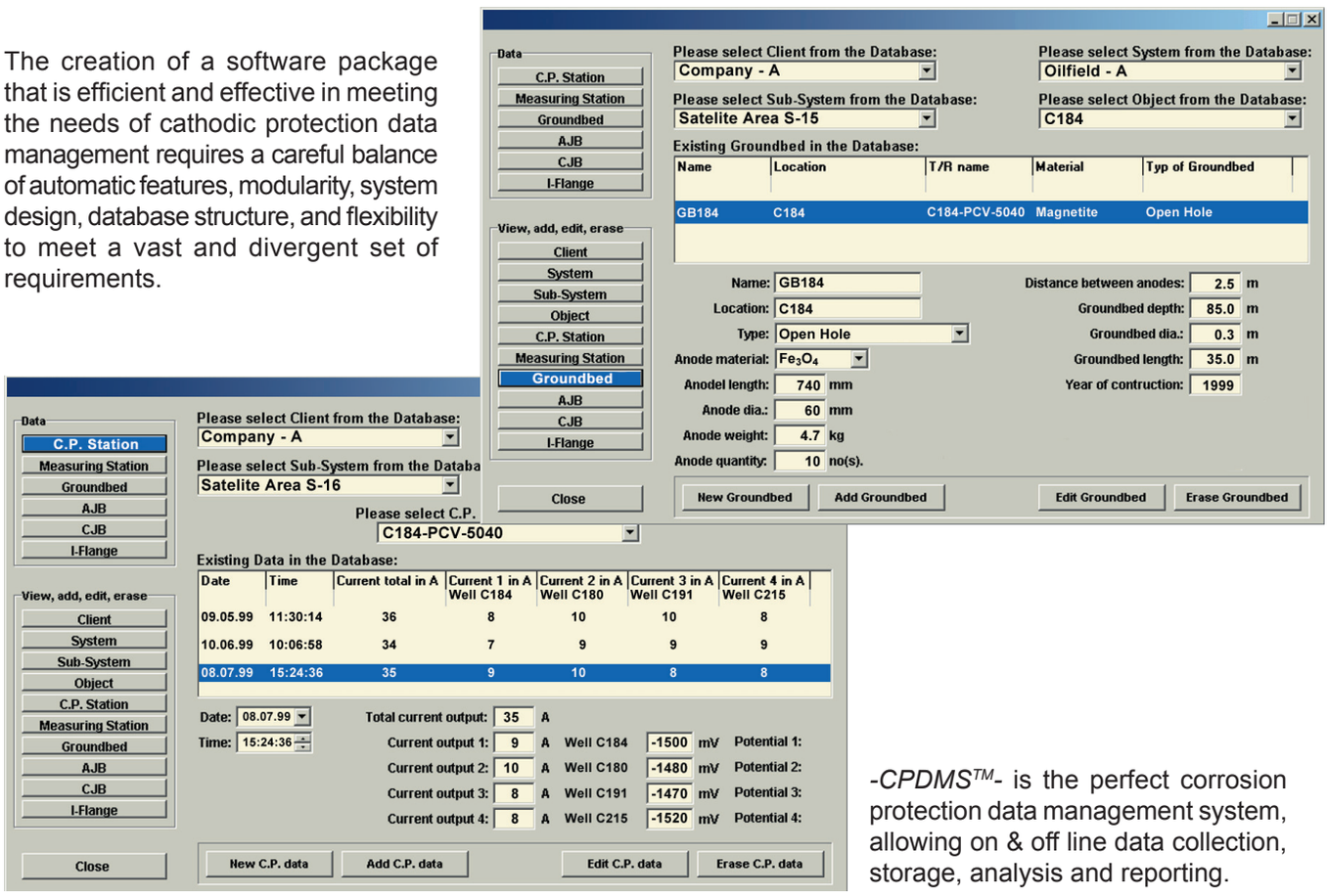




The system also includes a remote monitoring and control system which allows data to be required by GSM/ Radio, telephone, ethernet or fibre optic network.
This enables a significant saving of time and expense otherwise incurred in visiting sites simply to make routine measurements and adjustments.

Graphical Displays

The creation of a software package that is efficient and effective in meeting the needs of cathodic protection data management requires a careful balance of automatic features, modularity, system design, database structure, and flexibility to meet a vast and divergent set of requirements.



-CPDMS™- is the perfect corrosion protection data management system, allowing on & off line data collection, storage, analysis and reporting.