

# CP\*Manage - WebService

Corrosion and Cathodic Protection Data Management, Analysis, and Reporting Data from Remote Monitoring Units, Data Loggers, and Manual Test Station Readings

## MEASUREMENT PLUGINS

- Transformer Rectifiers
- Galvanic Anodes
- Polarized Potential
- Line Currents
- Isolating Joints
- Critical Bonds
- Casings
- AC Discharge Devices
- Grounds
- Coupons – AC/DC Current Densities
- ER Probes – Corrosion Rates

## MEASUREMENTS

- ✓ Corrosion Rate and CP Efficiency
- ✓ AC and DC Interference Corrosion Analysis
- ✓ Coating Condition

## DATA AT YOUR FINGERTIPS - WHEREVER YOU ARE!

CP\*Manage WebService is the MetriCorr internet-based system for managing, analyzing, and reporting pipeline corrosion and cathodic protection data. The system receives data automatically from remote monitoring units, by uploading files from data loggers, or simply by manual entry of single measurements performed by the CP technician at test stations.

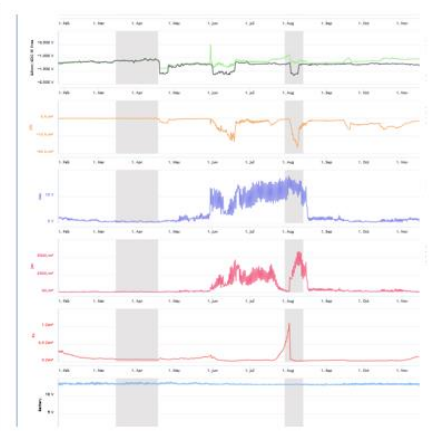
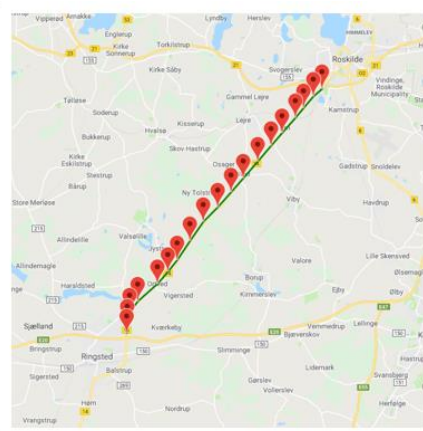
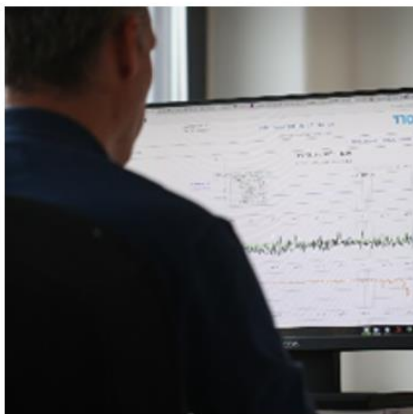
The system facilitates the digital build-up of the pipeline with test stations and associated tag numbers, chainages, and GPS coordinates. It can be viewed in Google maps and exported to Google earth.

Data are presented in tabular or graphic formats. Time based (historic) graphs ties together different data from a single test point, whereas chainage graphs compare data throughout the length of the pipeline. With the click of the mouse, zoom functions and averaging facilities are available in an intuitive manner, thus providing analytical tools that, for instance, tie together corrosion rates with electrical fingerprints such as polarized potential, AC voltage and associated AC and DC current densities. The corrosion risk is thus pinpointed, and means are provided for optimum analysis of the root cause of corrosion such as influence of AC, DC stray currents or inadequate CP.

The system is based on measurement plug-ins, each of which address a specific component or phenomenon. For instance, a line current plug-in comprises facilities for reporting line currents in individual current spans (test stations), chainage graphs displaying the distribution of the CP current, as well as section analysis on the current consumption and coating resistance of sections in between the line current measurement facilities.

The ability to export to excel at every level enables any additional customized presentation or analysis.

CP\*Manage WebService is offered as a subscription service with no initial high costs.



## APPLICATION TERMS

### DATA

The data belongs strictly to the customer exclusively. No data are visible to another customer. MetriCorr will not have access to customer data unless explicitly instructed to do so by the customer for any reason such as advice regarding interpretation, trouble shooting assistance etc. In such case MetriCorr will need the customers acceptance in writing to create a login. All login activities are visible for the customer from the customer's page.

### HOSTING

The hosting has been sourced to a professional hosting company and is established in accordance with the principles of ISO/IEC 27002:2013. The Hosting company has implemented the INTERNATIONAL STANDARD ON ASSURANCE ENGAGEMENTS (ISAE) 3402 on assurance reports on controls at a service organization and is audited once a year. The auditor's report is available to MetriCorr who will be evaluating the report and take appropriate action in case of deviations.

### SECURITY

The IT equipment (servers etc.) is placed in several data centers located at different geographical locations. The centers have redundancy of all infrastructure components such as power supply, emergency generators, UPS, network, and internet connections. Centers are fenced, and access is given to authorized personnel only. Authorized personnel are re-authorized on a yearly basis. The servers are securely placed behind lockers in a tempered room with automated firefighting facilities

### SURVEILLANCE

Automated surveillance is in place on servers, storage systems, networks etc. 24/7/365. Critical alarms are displayed on surveillance screens and forwarded as well as text messages to personnel on duty. Sensor surveillance regarding power supply, temperature, water, humidity, and fire is implemented at all data centers. Camera surveillance is implemented at all data centers

### BACKUP

All data are cross backed-up between the physically isolated data centers. The application offers the possibility for customers to back-up their own data by a download procedure.

### UPTIME

An uptime of the servers of 99.5% is guaranteed by the host. No single downtime shall exceed 10 minutes. MetriCorr keeps documented information on downtime as part of our audited ISO 9001:2015 Quality Management System.

