

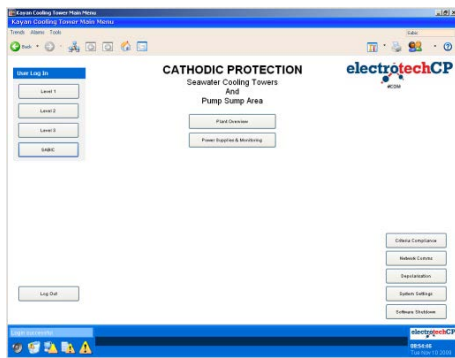
Description

The Main Control Unit (MCU) along with our flagship Remote Monitoring System (RMS) consists of a SCADA based software running on a Windows platform capable of performing numerous tasks related to cathodic protection monitoring and control functionalities. These functionalities include complete output control, data logging scheduling, data analysis, and many more.

The SCT is designed specifically for the monitoring and control of ElectroTechCP™ cathodic protection systems. Each individual system software interface is tailor-made to the size and design of the cathodic protection system for each project. With the RMS, the client's entire cathodic protection control and monitoring requirements are met whether it is for concrete structures, tanks, underground plant piping, cross country pipelines, or all together under one control terminal. This minimizes onsite time and reduces operating costs while giving unprecedented day-to-day monitoring and historical data representation in both numeric and graphical forms. This is in addition to providing access to every aspect of the cathodic protection systems installed.

STANDARD MCU SOFTWARE FEATURES

The software consists of several screens in which the user interacts with the system. All control and monitoring functionalities are clearly identified on the screen. An example of the software package is provided as follows.



Home Page

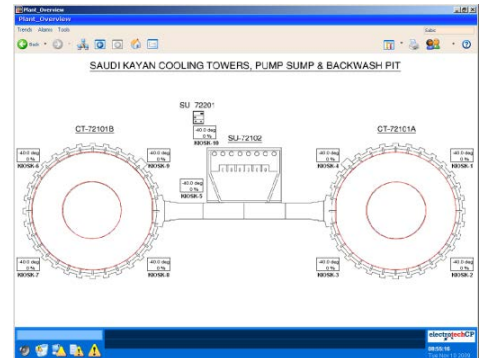
The home page is the main navigation and access page of the software. This is done via buttons that take the user to different functionality pages of the system. It also functions as the multi user log-in page giving different access privileges to different users. All is configurable according to each client's needs and security requirements.

Screens

This screen usually shows the structure or plant overview which serves as a navigation screen to different sections of the structure or plant. The user navigates to different areas by clicking on the area that is required. The following is a screen shot taken from the Kayan Twin Cooling Tower project for reference.

The screen is completely configurable to each client and project. It is usually followed by any number of graphical pages that are accessed in a way that reflects the hierarchy of the structure or plant enabling the user to zoom into particular areas of the structure or plant in an intuitive way.

Structure/Plant Overview & Navigation

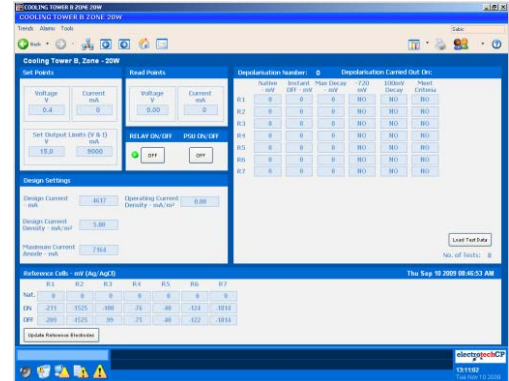


Zone/Area Summary Page

The Zone/Area Summary page gives the user a summary of each zone/area within a specified section of the structure or plant. It can be considered as an all-in-one page giving all related information for each zone/area, including design and operating current and voltage, operating current density, as well as the last RE On/Instant-off values obtained. This page also serves as a second route to access individual zone/area pages.

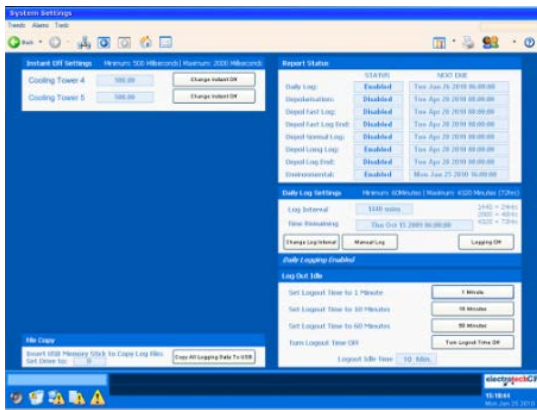
Power Supply Outputs & Monitoring Page(s)

This is the main page which enables the user to set/read all operational parameters for each zone/area; it also allows the user to take RE readings (On and Instant-off values). Another feature of this page is the ability to analyze depolarization tests that were conducted by the system. This enables the client to make changes to each zone's outputs based on previous depolarization analysis. Such unprecedented analytical insight to each zone's depolarization data onsite saves time and resources that would otherwise be used to analyze each zone depolarization results off-site, requiring another visit to the site to configure the outputs accordingly.



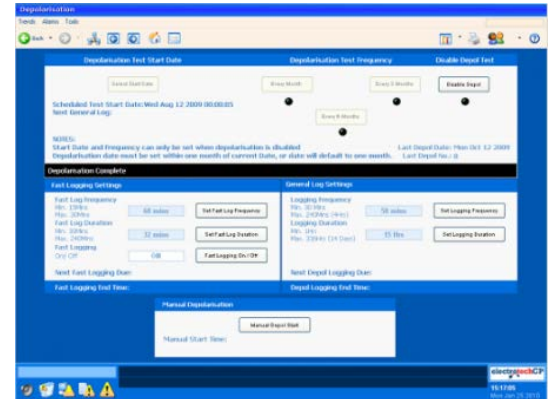
System Settings Page

This page allows the user to create important settings for the system, such as instant-off timing and daily log intervals, as well as accessing the stored data. Other settings will be available based on the client's needs and requests.



Depolarization Settings Page

This page allows the user to establish important settings for the automatic depolarization, scheduling the various intervals for the depolarization sequence. This page is only available for projects with concrete structures. The SCT software package is a highly customizable package with many features available upon request.



STRUCTURAL TECHNOLOGIES offers various types of ElectroTechCP™ remote monitoring and control software/hardware solutions. Depending on the client's specifications and budget, any solution offered can be customized to the client's needs. The MCU/RMS software package is a highly customizable package with many features available upon request. The provided screen shots are mere examples of what can be offered. Please contact STRUCTURAL TECHNOLOGIES to provide you with a detailed presentation of all our products, and to discuss the requirements of your system.

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