A black and white line drawing of a high-voltage power line tower, showing its complex lattice structure and multiple cross-arms supporting several power lines. The tower is positioned on the left side of the page, with a smaller, similar tower visible in the background to the left. The bottom of the image is partially obscured by a dark teal curved shape.

Supervisory Control and Data Acquisition CT Meerkat

www.chemtrols.com

SCADA or "Supervisory Control and Data Acquisition" refers to the combination of telemetry with controls. A SCADA system consists of a Master station collecting data via a communication system from Remote Terminal Units and/or IEDs which in turn are collecting data from the field. The Master station displays the acquired data and allows the operator to perform remote controlled tasks.

CT Meerkat from Chemtrols is a complete SCADA Master Station Application software for real-time monitoring and control of substation equipment. CT Meerkat is a cost-effective SCADA software optimized for smaller SCADA applications like Substation Automation, Remote Monitoring and Local HMI.

Power System Management

Power System Management consists of functions like Monitoring, Operations of Equipment, Data Analysis and Maintenance. CT Meerkat provides user friendly tools to efficiently monitor, safely operate, accurately analyze data and maintain the power system.

Monitoring

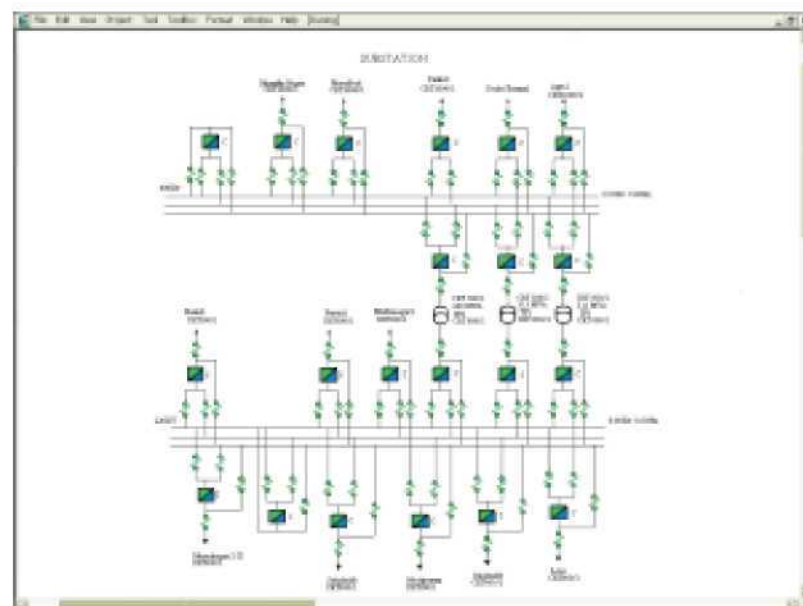
CT Meerkat's powerful visualization system presents reliable and real-time data using various colors and animation. The mimics are highly customizable as per the end user's standards and suitability.

The Signal and Alarm window projects information in real time so that the user is informed on time to take necessary action and maintain power availability most efficiently. Signal and Alarm windows can be categorized and grouped as per user requirement so that he sees only the data important to him.



Operations

CT Meerkat has a reliable Safety Tagging System for Control Operations which guarantees human safety and safe operation of substation equipments like circuit breakers and isolators. An informative control dialog box presents information on the equipment to be controlled which enables the operator to take a well informed action.

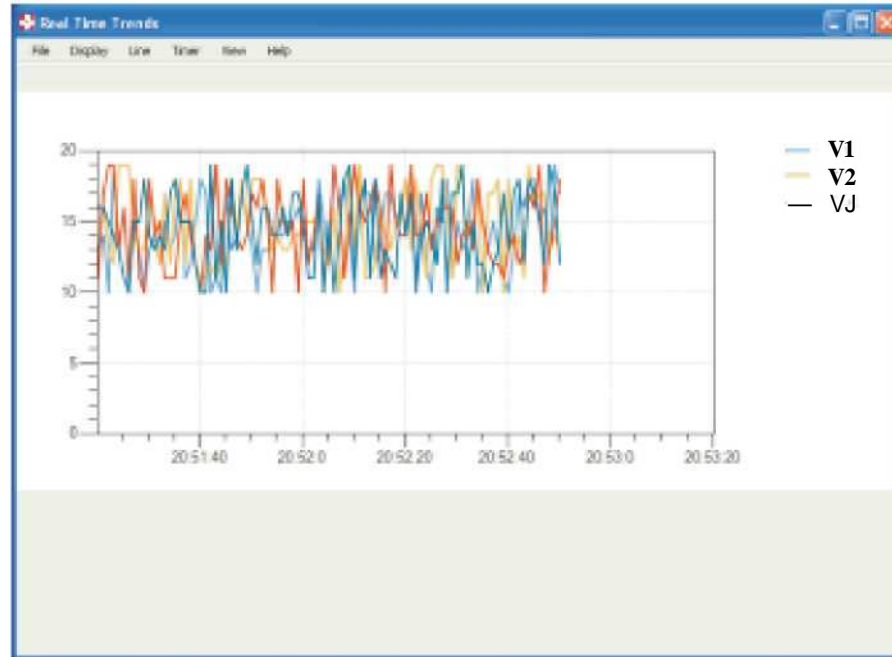


Data Analysis

CT Meerkat's powerful Event Logging System logs every event occurring in the SCADA system. The system provides functions to search for the required event using filters like time stamp, equipment, signal-type etc, thus enabling accurate fault analysis.

Analysis of power parameters using line graphs (trends) is very useful for power system users. CT Meerkat provides Real Time as well as Historical trend system. Using this trend system, different power parameters can be plotted on a single graph with different colors, for comparison and analysis.

Historical Archiving System archives data at intervals configurable by the user and also retains the data for periods configurable as per the user's requirement. All historical data is stored by CT Meerkat in an ODBC compliant database compatible with third party tools like MS-Excel or Access for building tabular reports.



Maintenance & Support

CT Meerkat provides all the tools for easy diagnosis and troubleshooting of the system. Tools which log the interpreted communication messages are very useful while installation and integration of the system.

Chemtrols also provides remote support for up-gradation and diagnosis by remotely connecting to the concerned system.

Standard Features

- Graphical Visualization
- Intelligent Alarm Management
- Search enabled Event Listing
- RealTimeTrending
- Historical Trending
- ODBC compliant Historical Archived database for Reports.
- Standard protocol IEC 60870-5-101 and IEC 60870-5-104 (Ethernet)

Customizable and Scalable

CT Meerkat provides all the tools that enables an organization to build its SCADA system in line with the growth and need of its network. The organization's engineers can easily expand the system and customize it as per requirement. This approach enables the organization to balance and keep in check both the Capex and Opex budgets.

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