pacific data systems

Solutions. Technology. Simple.

Semaphore T-VIEW

T-VIEW – Advanced, Front End Interface for T-BOX Networks

T-VIEW is Semaphore's intelligent communications interface between remote sites and central control rooms. T-VIEW is a data aggregator that fully exploits the power of the Internet by providing software tools to transfer and export archive data from remote stations to the majority of database software in use, today.

T-VIEW is, in a sense, the missing link between conventional SCADA architectures and decentralized, Internet-based architectures. It provides the best of both worlds by offering a solution that is expandable, powerful, intuitive, ultra-simple and low-cost.

By using the existing infrastructure of Internet providers, a computer system running T-VIEW does not require a huge bank of modems to communicate with remote stations. Only one Internet or Intranet connection with the e-mail or FTP server is required.

T-VIEW CAPABILITIES

Push and Pull Communications with Remote Stations

T-VIEW makes the most of the "push" communications capabilities of T-BOX controller/RTU products. Upon event or on a schedule, the RTU can provide alarms and historical archives to T-VIEW via e-mail or FTP transfer. For compatibility with existing systems, which use "pull" communications, T-VIEW also supports conventional polling of remote stations over a variety of networks, including Ethernet, GSM/GPRS, PSTN, radio and satellite.

Bidirectional communications provide for complete monitoring of live conditions, uploading of historical archives, and downloading of setpoint changes, commands, etc.

Intuitive Display Presentation

Presentation in T-VIEW is in the form of directories in a manner that is similar to Windows Explorer. Remote stations are sorted according to zones or geographical areas. Each station can have multiple web page screens to display alarms, live information, historical data and trend graphs.

Unlimited Client Access over the Network

Any number of "View Node" client PC's can connect to the T-VIEW system with only a simple Internet browser required. ActiveX controls are automatically downloaded when the user connects to T-VIEW for the first time.

Automatic Transfer of Historical Archives to RDBMS

T-VIEW automatically converts the historical data in a T-BOX controller or RTU to formats that include Microsoft Access, Excel, Oracle, SQL Server, mySQL, dBase, ADO and others without complex programming.

Numerous filtering and formatting options are available to best suit each database.

Auto-configuration

As soon as a new station comes into service on the telemetry network, T-VIEW self-configures and automatically introduces definitions for alarms, tags and trends. This error-free technique considerably reduces network configuration and eliminates the double-programming that is required in some systems. If the content of a station changes, T-VIEW will automatically adapt to the new configuration.

GPS Location Support

T-VIEW permits fast and reliable RTU location on standard maps supporting the "shape" (.shp) format.

Optional Report Generator

Based on Dream Report™, professional reports can be produced without the need for a separate report generator.

Computer Requirements

Supported operating systems	Microsoft Windows 2000, Windows XP, Windows 2003 Server, Windows Vista
Minimum computer specifications	Pentium IV, 256 MB RAM, HD 10 GB, CD-ROM, Network Card for remote access to T-VIEW
Browser	Microsoft Internet Explorer version 5.0 or higher

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