Can-Technologies Inc.
An Engineering Company

## Monitoring & Supervisory Systems - SCADA & HMI

In an increasingly competitive marketplace, the ability to truly understand and control operations is critical for success.

Access to accurate, timely data is needed to make informed decisions in real time. In addition, power and security is needed to precisely monitor and control every aspect of relevant processes, equipment and resources.

With our engineering and domain expertise coupled with powerful technology solutions, you can visualize, control, analyze and optimize data across operations resulting in enhanced decision making, faster time-to-market, improved process and production quality/productivity and a reduction in operation and product costs.
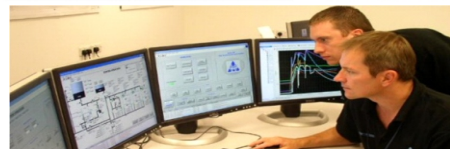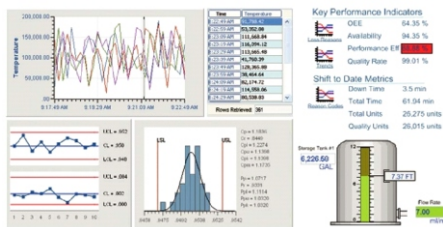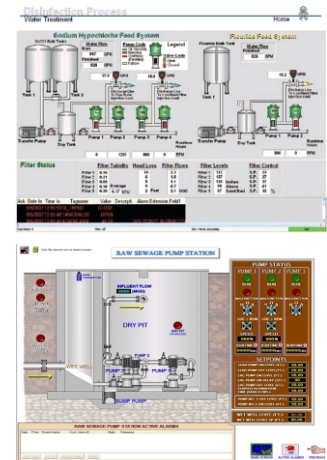
Supervisory Control And Data Acquisition System (SCADA) generally refers to an industrial control system performing a Centralized Alarm Management, Data Trending, and operator Display and Control of a process.

An Human Machine Interface (HMI) is usually linked to the SCADA databases and software programs, to provide trending, diagnostic data, and management information such as scheduled maintenance procedures, logistic information, detailed schematics for a particular sensor or machine, and expert-system troubleshooting guides.

Can-Technologies delivers leading-edge SCADA, HMI, Data Collection and Reporting solutions designed to meet your mission critical goals leveraging proven methodologies and best practices.

Can-Technologies SCADA & HMI system solutions can include any of the following:

- Initial System Evaluation/Discovery
- SCADA & HMI System Design
- SCADA & HMI System Development
- Visualization Development
- Database Configuration
- Network Infrastructure Development
- Network Connectivity
- Server/Client Architecture
- Redundant Systems
- Thin/Thick/Remote/Web Clients
- Custom Protocol Development

- Custom Application Development
- Custom Data Interface Development
- Business System Integration
- Programming, Configuration and Testing
- Integration, Installation and Commissioning
- Factory and Site Acceptance Tests (FAT) & (SAT)
- Data Acquisition System Development
- Training, Documentation & On-Going Support
- Retrofit/Upgrade Services
- Legacy System Support

Our SCADA & HMI system engineers have solid domain expertise and extensive knowledge and experience with current SCADA & HMI technologies to design, development, and implement Supervisory Control and Data Acquisition System solutions.

From evaluation through to system design, configuration, installation, commissioning, and training and support, you can be confident that the engineering team will work closely with you to design a robust SCADA system solution that it will work reliably within your facilities conditions

*"Providing Quality Services & Attention to Our Customer Needs."*
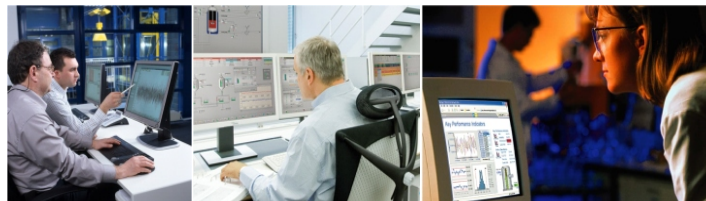
Monitoring & Supervisory Systems - Data Collection & Reporting

Data acquisition begins at the Remote Terminal Unit (RTU) or Programmable Logic Controller (PLC) level and includes meter readings and equipment status reports that are communicated to the SCADA System as required.

Data is then compiled and formatted in such a way that an operator using a Human Machine Interface (HMI) can make supervisory decisions to adjust or override normal RTU or PLC controls.

Data may also be fed to a data repository (Historian) to allow trending and other analytical auditing.
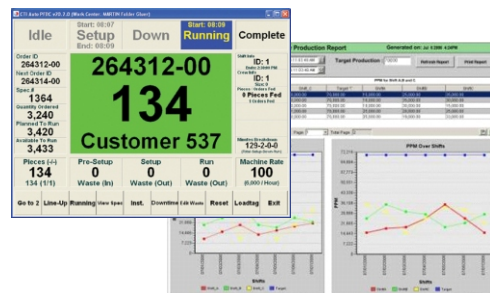
Can-Technologies data collection competencies and service solutions can include any of the following:

- Initial System Evaluation - Discovery
- Database Design
- Database Development
- PLC/RTU/DCS Data Source Integration
- SCADA/HMI Data Source Integration
- Custom Application Development
- Custom Data Interface Development
- Programming, Configuration and Testing
- Integration, Installation and Commissioning
- Factory and Site Acceptance Tests (FAT) & (SAT)
- Data Validation

With an ever faster growing Information Technology, manual data entry and manual reporting have proved to be inadequate tools for managing the rapid pace of change within many industries. To keep up, many have adopted Real-Time Reporting. This makes it possible to get reports to different level of organization instantly. Data can cover areas such as production, maintenance, logistics, inventory, sales, expenses, capital spending, fixed-asset monitoring, personnel information, etc. Which empowers people to get what they need.

The following lists some of our activities:

- Customer Requirements
- Detailed Design
- Real-Time Data Sources (PLC, DCS, RTU, sensors, etc)
- Historical Data Sources (relational database, historian, manual data entry, third party data, etc)
- Static Standard Report Design
- Dynamic Configurable Reporting Functionality
- Customer Workshop & Feedback
- Commissioning
- Data Validation
- Site Acceptance Test
- Benchmarking
- Training
- On-going Support

Can-Technologies engineers have solid domain expertise and deep knowledge and experience with current database technologies to design, development, and implement database solutions providing our valued customers with a Reporting Management Systems that combines Historical and Real-Time data and provide standard Static Reports along with configurable Dynamic Reports.

From requirement evaluation through to system design, configuration, validation, installation, commissioning and training and support, you can be confident that the engineering team will work closely with you to design a robust and effective data collection, storage and retrieval solution that it will enable you to collect, archive and distribute large volumes of data work reliably.

"Providing Quality Services & Attention to Our Customer Needs."