



S P AUTOMATION
Gives Complete Solutions



ABOUT US

S P is an organization focused on technology products and solutions in industrial Automation. We would keep on getting associated with you and build a long-term mutually beneficial relationship with you and be your preferred partners for your **Industrial Automation** requirements.

S P Automation offerings: **Industrial Automation – Machine and Processing Control.**

OUR SCOPE

- System Designing.
- PLC Programming.
- HMI/SCADA Development.
- Servo / VFD Commissioning.
- Data Monitoring & Control System.
- AUTO CAD Designing.

WE DEAL AND DEVELOPE FOLLOWING PRODUCTS



PLC can perform following features:

- Numerous I/O configurations.
- Serial and Ethernet ports.
- Ladder logic design.
- Selection of PLC as per architecture.
- Communication protocols.

HMI & SCADA can perform following features:

- Base Screens.
- Real time XY plot.
- Data logging & Reports.
- Recipes.
- Real time alarms.
- Security access levels.
- .CSV file transfer using FTP protocol.



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Data Monitoring and Control System



Easy to Use Monitoring and Data Recording Software

Data Monitoring is easy to setup, Powerful and simple to use Monitoring, Controlling and Recording software applications for electrical systems. With minimal configuration required to communicate with field devices directly, Data Monitoring provides an overall view of the entire power system and collects critical real-time and historical disturbance data to assist with analysing past or impending power system events.

Key Benefits:

- Easy start-up and configuration save time and cost by integrating devices using pre-programmed memory maps.
- Automatically generated, user-friendly monitoring screens provide remote equipment visibility.
- Reduce fault analysis effort by centralizing critical fault data digitally.
- Record and trends power equipment load levels for load analysis.
- Remote viewing of monitoring systems using web based browser.



Key Features:

- Monitor up to 100 Devices (2000 data points).
- Real-time data.
- User-friendly construction of Monitoring screens.
- Pre-Configured memory maps for other devices.
- Single-line monitoring and control.
- Trending of up to 1000 power system data points with 1-minute resolution.
- Communicate with third-party Modbus-compliant field devices.
- Plug-and-Play analysis of power system equipment.
- Annunciator alarming with visual, audio and email notifications.
- Diagnose waveform fault data recorded in power system devices.



Trending Reports

Create a Historical Archive of Monitored Data from Multiple Devices.

Data Logging

- Log and trend the value of monitoring Analog & digital points.
- View logged data for a pre-configured, customized recorded time period.

Reports

- Create up to 100 customized records.
- Store up to Number of points per record for 2000 points logged in total.

Archiving Data

- Manually archive recorded data for storage onto network data repositories to reduce risk of data loss and decrease data storage requirements on local workstation.

Exporting and Printing Data

- Export data into an Excel format for easy data manipulation and analysis.
- Print data that is logged in trending reports.

Historical Record of Monitoring Data

- Trend up to 1000 data points
- Record data with 1-minute resolution.
- View data in time based graphical or tabular format.



Third-Party Device Support

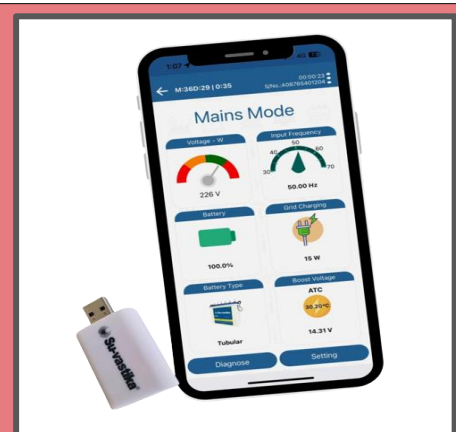
Data monitoring supports communication with third-party devices that utilize Modbus TCP/IP, providing a simple way integrate these devices.

Data monitoring provides support for third-party devices as follows.

- Single-Line Diagram
- Annunciator Panel
- Trending Reports

Mobile Control

- This terminal portal is also mobile compatible.
- Users can open the mobile application to control and monitor data Through 4G system.
- This system is built in a way to carry out remote diagnostics of the Device.

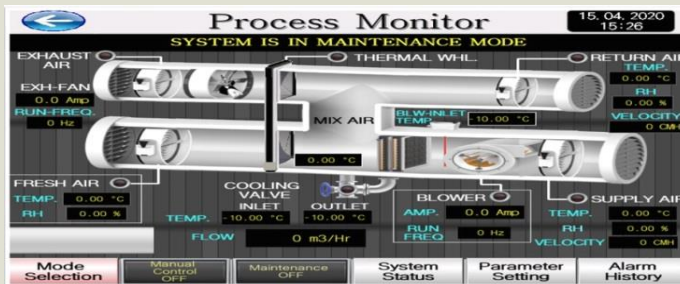
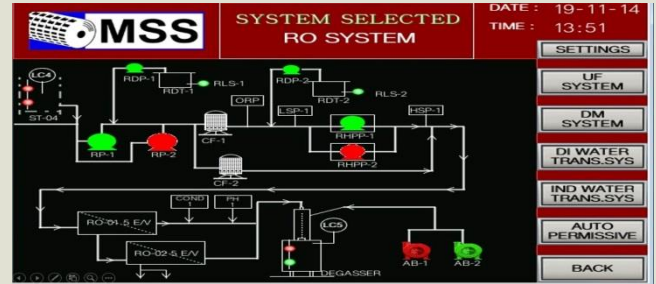
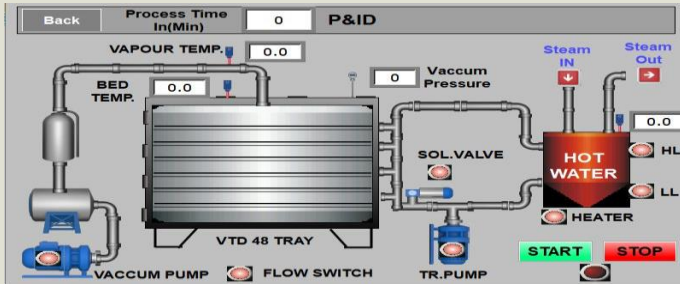




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SAMPLE SCREENS



Project Undertaken Successfully

HVAC Automation – AHU, Chillers, Ventilation Systems.

Pharma – Stability Chambers and Incubators, Dehumidifiers, Grinding, Blending & Batch Mixing, RMG, Capsule Filling, Formulation and Batch Mixing, 21 CFR.

ETP/ STP – Water Waste Monitoring and Management, Sewage water Treatment System.

Packaging – Heat and Shrink Wrap, Liquid, Powder and Tube Filling, Capping and Labelling, Neck & Body Sleeving, Single/Double Line Packaging Machine.

Plastic & Rubber – Extrusion, Heat Welding, Injection Moulding.

Fire – Fire Alarm Systems, Fire Pumping Systems.

Car Parking – Tower Car Park, Puzzle Car Park, Car Lifts, Basement Car Park Ventilation System.

Cranes – Overhead Crane Automation

SPM – Robotic Integration, Laser Cutting, Printing and Textile, Ultrasonic Welding, Punch and power press, sheet Bending and Cutting, Furnaces and Oven.



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CERTIFICATE OF TRUST

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