

ABOUT US

San D Automation Pvt. Ltd started its operations with high qualified experience in the field of Energy Management and Industrial Automation.

It is involved in the business of providing high quality solutions for Energy Management, Process & Industrial Automation sectors and Service segments.

The objective is to focus on the major use of energy and reduce the wastage and losses. And increasing the productivity and reliability through automation.

OUR SOLUTIONS

ENERGY MANAGEMENT SYSTEM
PROCESS AUTOMATION SYSTEM
INDUSTRIAL AUTOMATION SYSTEM
BUILDING MANAGEMENT SYSTEM
TEST & MEASUREMENT SYSTEM

OUR PRODUCTS

K-LITE SOFTWARE

OUR TECHNOLOGIES

NI LABVIEW
SCADA SYSTEM
VISUAL BASIC
EXCEL VBA
MS SQL SERVER & MY SQL
OPC
BACNET

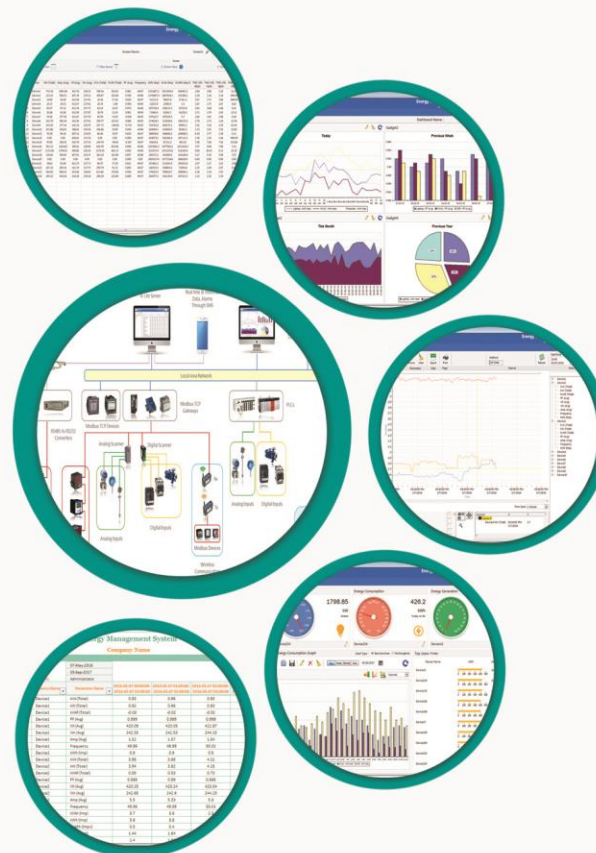
K-LITE SOFTWARE

K-Lite software is a windows based application built with greater flexibility for customization for any industry.

Using this, we can monitor Electricity, Production, Water, Gas, Temperature, Flow, Pressure, Levels, Equipment status etc. And the data can be exchanged between other scada softwares via OPC connectivity.

It captures the data on real time and records it on regular intervals. And will present the data in various formats of screens, trends, dashboards and reports. And sends realtime and historical data via SMS for multiple persons in custom formats.

This acts as a very effective analytical tool. And will be fully designed and customised as per the user needs.



SOFTWARE FEATURES

- Server & Client architecture.
- All configurations, features and independent customisation in both server & clients.
- Creation of own screens for real-time data monitoring and customisation of screens by selecting any combination of devices and parameters.
- Real-time data analysis formats-Tabular format, Device & Parameter filter based format, Device wise format, Mimics in the format of meter gadgets and custom graphs.
- Historical data analysis in the format of tables and graphs.
- Sending of real time and historical data through SMS for multiple persons at custom intervals.
- Parameters selection with drag & drop feature in both real-time and historical graphs.
- Grouping of real-time & historical graphs and historical tables for easy access.
- Creation of custom dashboards up to 6 gadgets per page with different layouts in the format of bar / line / area / pie / doughnut charts based on hourly / daily / weekly / monthly / yearly basis.
- Energy dashboard in the format of gauges, bar / line / area / pie / doughnut charts based on daily / weekly / monthly / yearly basis.
- Alarms configuration and analysis for all the defined parameters. Alarms indication with pop-up messages, audio with variable frequency and duration, e-Mail and SMS.
- Device communication status monitoring.
- Report generation in the format of periodic, daily, weekly, monthly, yearly, hourly, zone wise, week to date, month to date, year to date.
- Creation of custom groups for report generation.
- Option to define own time slots (shift's, zone's, peak time etc.) in report generation.
- Auto generation of reports and option to schedule the same.
- Auto e-Mailing of reports and option to configure e-Mail details.
- Creation of Serial & Ethernet ports.
- Creation of Modbus, OPC devices.
- Creation of custom devices & parameters using mathematical formulas and functions.
- Parameter's logging with custom logging interval.
- OPC server & client configuration.
- Creation of users and providing privilege level.
- User & System events log view.
- Implementation of all types of custom screens and report templates.

SOLUTIONS



ENERGY MANAGEMENT SYSTEM

We provide a software to interface any kind of device which measures electrical parameters such as energy meters, breakers, relays etc which supports Modbus protocol.

It provides centralized power monitoring facility and acts as a very effective analytical tool which helps in the following activities.

1. Reduction of energy consumption
2. Reduction of distribution losses
3. Reduction of peak demand
4. Efficient energy resource planning
5. Eliminating inefficient equipment operation and prevents equipment breakdowns
6. Continuous process improvement etc.



PROCESS AUTOMATION SYSTEM

We provide a software to interface sensors, controllers, operator terminals and actuators which collects the data of temperatures, pressure, flows etc to the computer.

It provides centralized process monitoring facility which helps in analyzing the process parameters and controlling the same.

Areas used.

1. Industries
2. Production & Manufacturing plants
3. Commercial buildings etc.



INDUSTRIAL AUTOMATION SYSTEM

We provide a software which makes apparatus, a process, or a system operate automatically.

It provides monitoring facility which helps in analyzing the equipment parameters & condition and controlling the same. This system saves labor, energy, materials and will improve quality, accuracy and precision.

Areas used.

1. Industries
2. Production & Manufacturing plants
3. Commercial buildings etc.



TEST & MEASUREMENT SYSTEM (ATE)

We provide a software to test electronic components and systems after being fabricated.

It provides facility to automate the test equipments to perform the tests and measurements of DUT, EUT, UUT and will analyze the results to evaluate the performance of the device.

Areas used.

1. Electronic manufacturing industries
2. Military, Navy etc.



BUILDING MANAGEMENT SYSTEM

We provide a software to control and monitor the building's mechanical and electrical equipments such as HVAC, lighting, power systems, fire systems and security systems.

It provides centralized monitoring and controlling facility of the connected equipments and provides detailed reports.

Areas used.

1. Buildings



CUSTOM APPLICATIONS

We design and develop any kind of custom softwares, database applications, reporting tools which works on NI LabVIEW, Visual Basic, Excel VBA platforms.

We develop the applications from scratch as per the customer specifications and requirements.

Areas used.

1. Industries
2. Production & Manufacturing plants
3. Energy sector
4. Military, Navy
5. Buildings
6. Textiles
7. Hospitals
8. Offices
9. Showrooms & Retailers etc.



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