

Industrial Automation Software Solutions



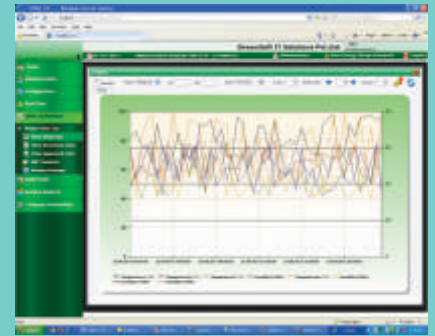
- Data Logging Applications
- OPC Interface Applications
- Bridging & Reporting Applications
- Customized Device Interface Applications
- SMS / Email / Voice Alarm Applications
- Intelligent Building Management Systems (IBMS)
- Part 21 CFR Compatible Applications



Data Logging Applications

Data Logging Software Applications are required for maintaining the data log from the various parameters of the Devices / Equipments in Real Time and Offline Mode. DreamSoft Applications are designed to communicate with Single or Multiple Device. Data Logging Applications can be developed as below:

- Desktop Based Application
- Web Interface Application (With Internet or Intranet)
- 21 CFR Compliant Applications



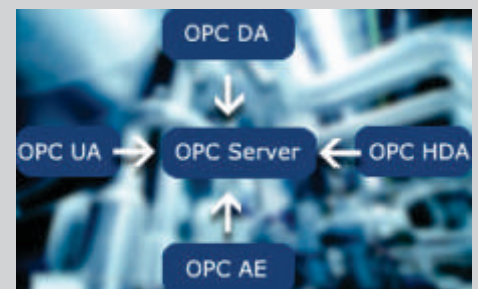
OPC Interface Applications

OLE for Process Control. OPC is a software interface standard that allows Windows programs to communicate with industrial hardware devices. OPC is implemented in server/client pairs. We have done below OPC Interfaces.

OPC DA (OPC Data Access) & **OPC UA** (OPC Unified Architecture) : DreamSoft Application is designed to develop Batch Reporting Applications, Real Time Data Logging, SMS Applications, Email Application, Voice Alarm Application, MIS and Graphical Reports Generation.

OPC HDA (OPC Historical Data Access) : DreamSoft Application is designed to develop Batch Reporting Applications, Historical Analysis and Historical Data Access.

OPC AE (OPC Alarm & Events) : For OPC AE, DreamSoft Application generate Email / SMS / Voice Alarms and Alarm Audit Trail.



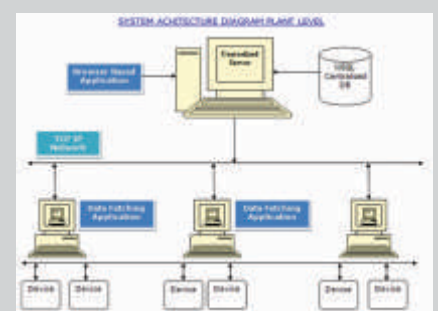
Bridging & Reporting Applications

Bridging & Reporting Applications are very customized Applications development in which the requirements are like there is a Source of Data Available in form of: Device / Equipment / PLC / XLS Format Files / CSV Format Files / OPC Interface / Serial Communication / FTP / SAP File / XML File etc. Client may want these data to be computed / worked up on and transfer them to other Output Systems like: PLC / OPC / Database etc. In such requirements, we understand the nature of Data Computations and develop a Bridging Application which will take the data from Source to Destination.



Customized Device Interface Applications

DreamSoft has developed Specific Customized Device Interface Applications for many esteemed clients as per their requirements. DreamSoft acts as an OEM's Application Development Company. Through our OEM's we have successfully installed more then 500 Applications in many large scale multinationals. DreamSoft provides Analysis to Implementation Cycle in the Process of Software Development.



SMS / Email / Voice Alarm Applications

DreamSoft has expertise and experience in SMS, Email and Voice Alarm Applications where SMS / Email are sent to Group of Users based on Alarm Conditions generated from Device / OPC / Database. Application has escalation matrix and feature to acknowledge Alarms. Voice Alarm Application has a unique feature of converting Text into Voice. This is a very intelligent system for any critical or non critical industrial processes.



Intelligent Building Management Systems (IBMS)

DreamSoft has taken Building Management System (BMS) one step further by developing a complete Web Based Interface which helps in monitoring real time data for various field parameters. Further Application can also provide historical Analysis of the Field Parameters by perioding data logging. Field Parameters data are fetched from Device / OPC / Database. Application has user interface modules like : Real Time Monitoring, Maintenance Management, Help Desk, Facility Booking, Tenant Billing, Global Directory etc.



Part 21 CFR Highlights

21 CFR is the part of Title 21 of the Code of Federal Regulations that establishes the United States Food and Drug Administration (FDA) regulations on electronic records and electronic signatures (ERES). Compulsorily used in Pharma Industry, DreamSoft has achieved full compliance in Industrial Software Application with 21 CFR.

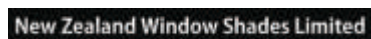
- Alpha Numeric Password with min 8 char.
- Password ageing.
- User Name and Password Encryption
- Wrong Password attempt account locking.
- User login with same user name from different location will not be allowed
- Auto Log out of no activity done.
- User Access level.
- Audit trail at each event with comments from user.
- Digitally acknowledgment of Alarms with audit trails.
- Digital Approval of Data with 2 level facilities along with Batch Approval facility.
 - a) Review Data Log.
 - b) Approved Data Log.
- Electronic Signature : Printing of User Name at the bottom of Report with date and time of User who is generating the report, user who is authorizing data.



Protocols Used in Applications

OPC Interface (OPC HDA, OPC DA, OPC UA & OPC AE), MQTT (Message Queuing Telemetry Transport), Modbus TCP/IP, Modbus RTU, PLC Interface, Modbus Ascii, Ethernet Communication, SNMP, UDP, Ascii Communication, Any Customized protocol.

Our Esteemed Clients



Our Industrial Software Applications are Successfully Running at



DreamSoft
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