

AUTOCON INSTRUMENTS

- ⇒ **Consulting Engineer for Process Automation**
- ⇒ **Control panel Manufacturer**
- ⇒ **Control System Integrator**
- ⇒ **Plant Shifting & Revamping**
- ⇒ **Domestic & Global Presence**
- ⇒ **Ecommerce & Trading for Industrial Products**



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 **AUTOCON**[®]
www.autocon.in

AUTOCON INSTRUMENTS

(ESTABLISHED IN JAN. 1996)

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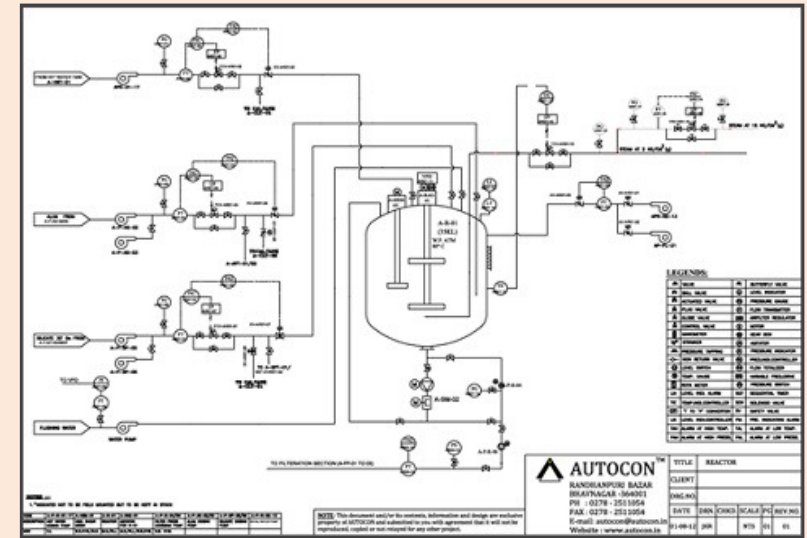
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❖ CONSULTING ENGINEER (INSTRUMENTATION)

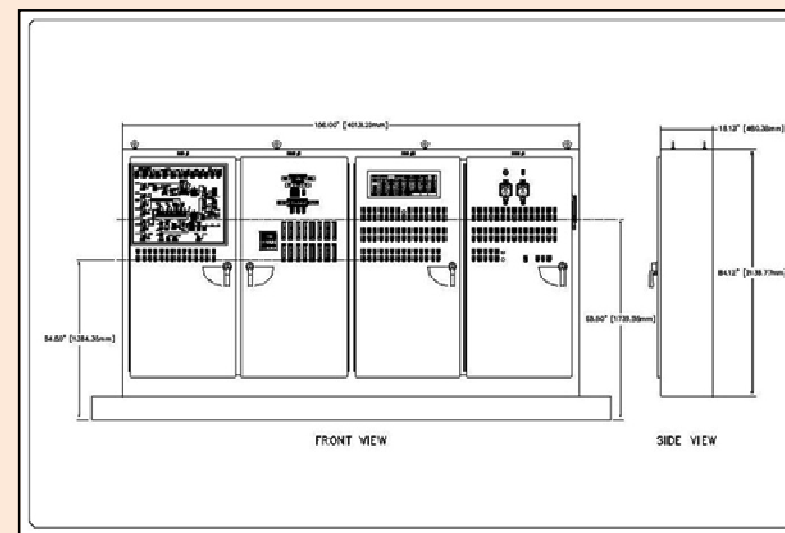
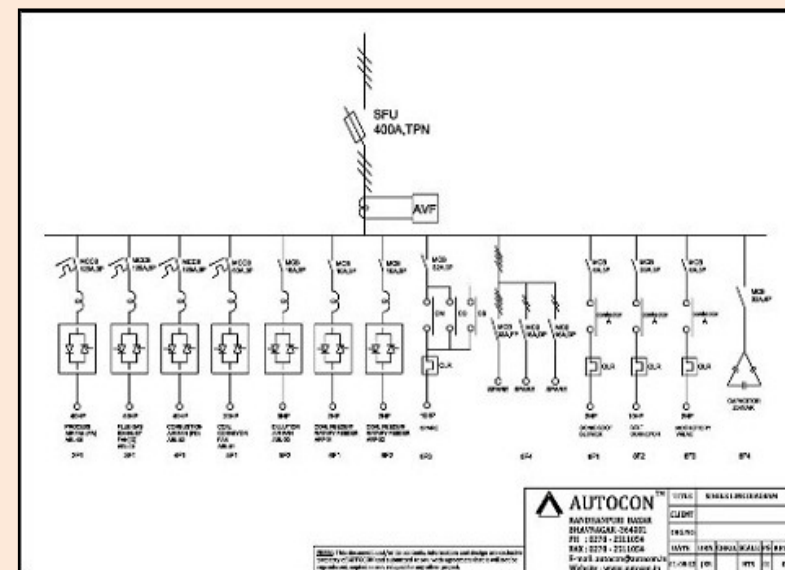
- Process study and Understand Operation Philosophy.
- Design, Manufacturing & Integration of Automation System.
- Preparation of P & I Diagram.
- Bill of Material based on Detail Engineering Drawings.
- Control & Instrumentation Cable Selection & Cable Schedule.
- Bid Documentation, Cost Estimation & Evolution of Technical Parameters and Ordering Support.
- Layout & Routing, Control room designing.
- Supervision for installation & Project execution.
- Pre-Commissioning & Commissioning Activities.
- Maintenance Support & Failure Analysis.
- Integrate all the Components to Operate together as One Complete System.
- Interact Closely with Consultants/Vendors/Customers.



❖ CONSULTING ENGINEER (ELECTRICAL)



- **Understand Operation Philosophy & Translate into Electricals.**
- **Design Engineering & Preparation of BOQ For HT & LT.**
- **Design Calculations & Load Distribution.**
- **HT, LT Cable Selection & Cable Schedule.**
- **Single Line Diagram & Control Schemes.**
- **Preparations of various types of Layouts includes Routs, Panel Room Designs**
- **Lighting Design with material & Layout.**
- **Earthing Layout & BOQ.**
- **Bid Documents, Cost Estimation & Evaluation**
- **Integrate all the components to operate together**
- **Supervision for execution.**
- **Energy conservation jobs.**
- **Interact closely with Consultants/Vendors/Customers**
- **Safety & Monitoring : Fire Detection & Alarm System, CCTV Camera System**



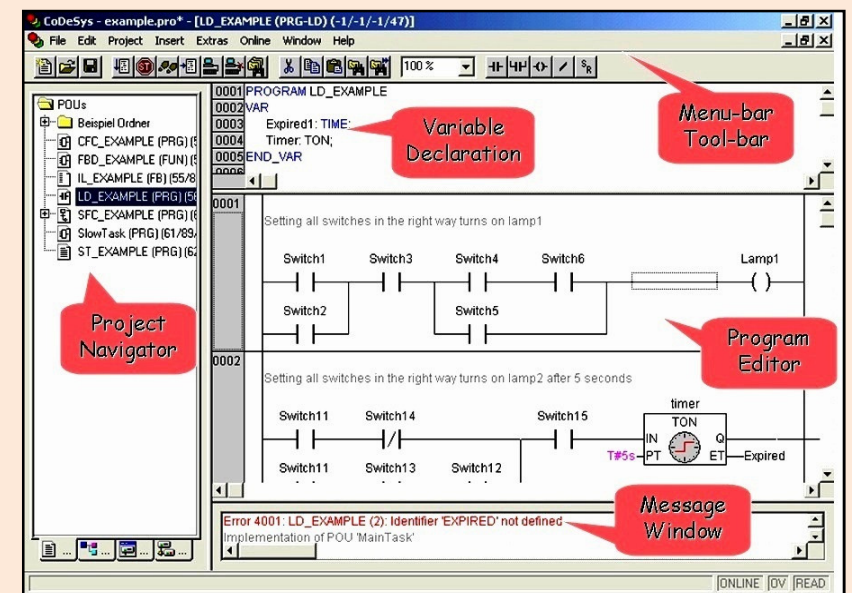
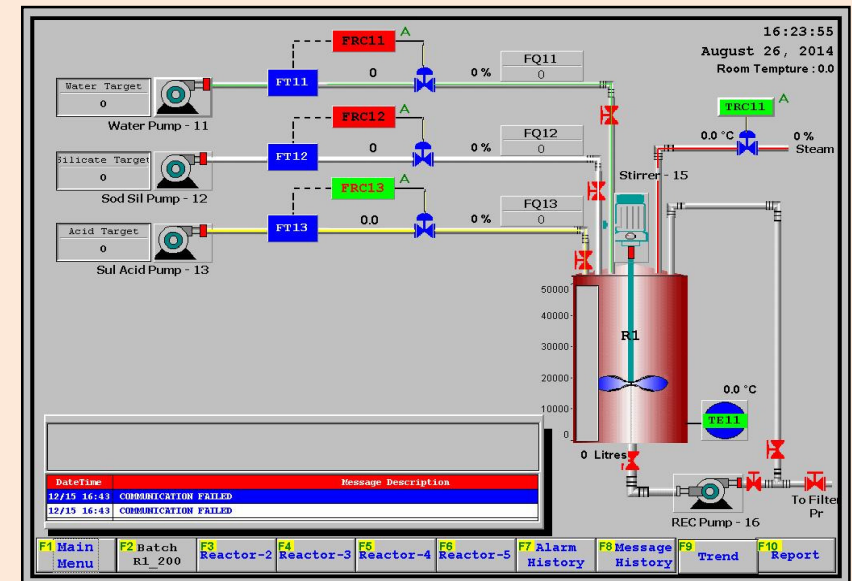
❖ PANEL MANUFACTURER

- All type of Instrument Panels like,
 - Control Panel with discrete controllers
 - MIMIC Panel
- All type of VFD Panels like.
 - VFD Panels with Bypass Facility.
 - VFD Panels without Bypass Facility.
- All type of Electrical Panels like,
 - MCC Panels
 - PCC Panels
 - Indoor & Outdoor Panels
 - Junction Boxes



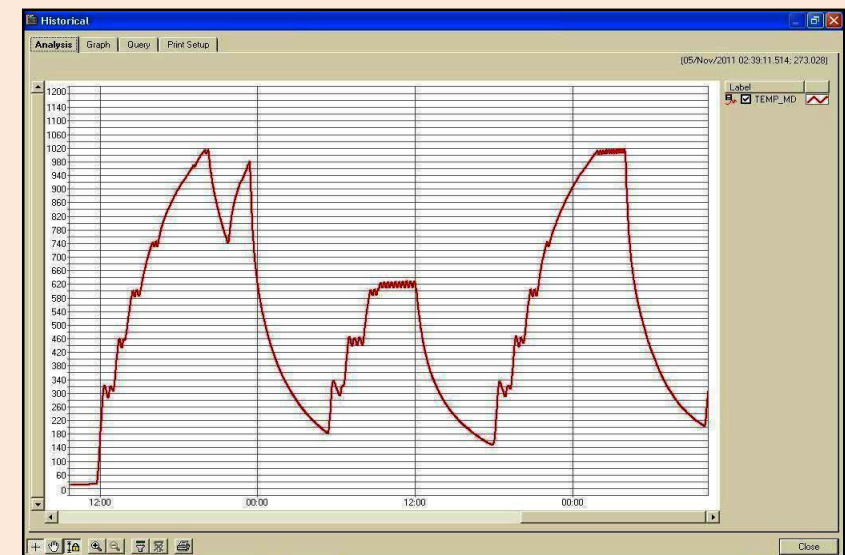
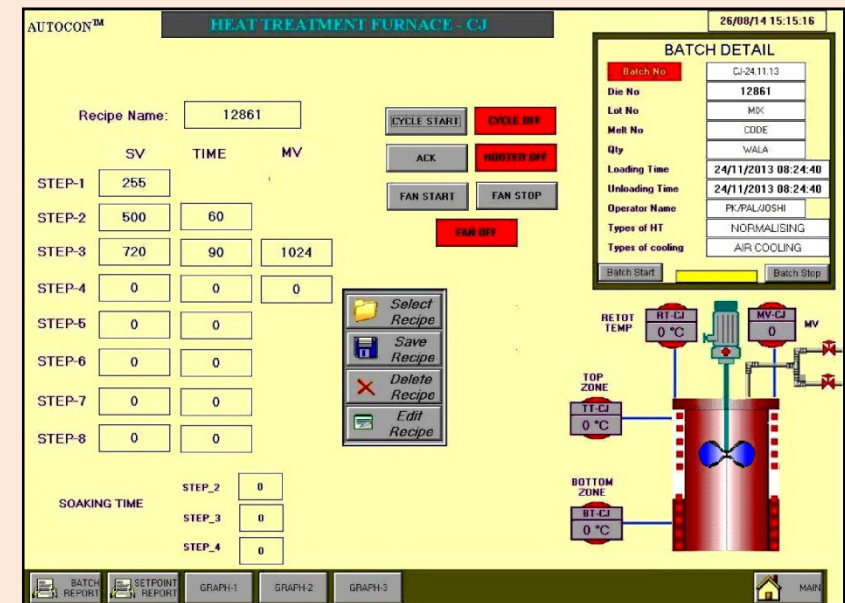
❖ CONTROL SYSTEM INTEGRATOR

- SCADA & PLC Programming
- Loop Designing & Execution
- Solution provider for Automation
- Heat Treatment Furnace Profile Control
- Development for Control System of Imported Machine
- Highly Scalable & Flexible, User Object Library
- Batch / Trend Report Provision
- Event Recording System
- Design & Commissioned Control System from 24 I/O up to 1800 I/O.



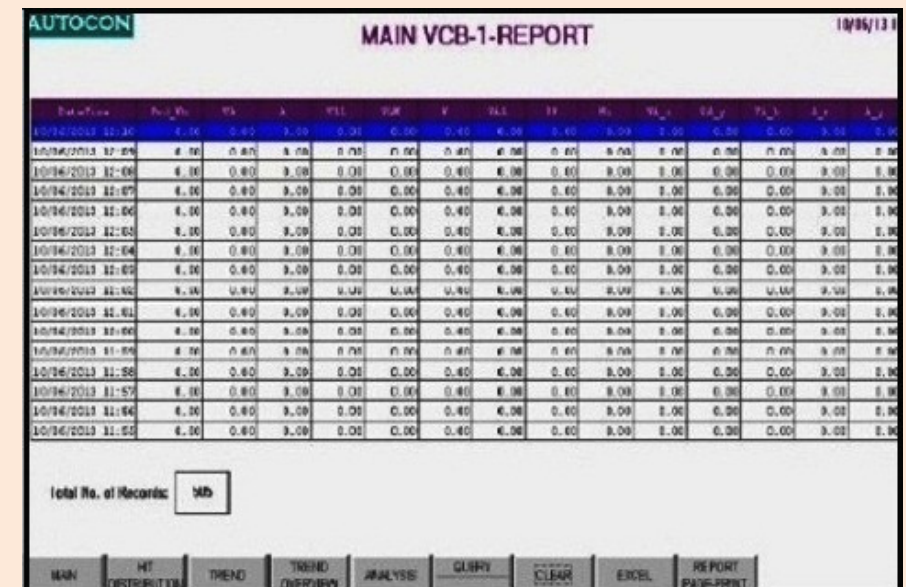
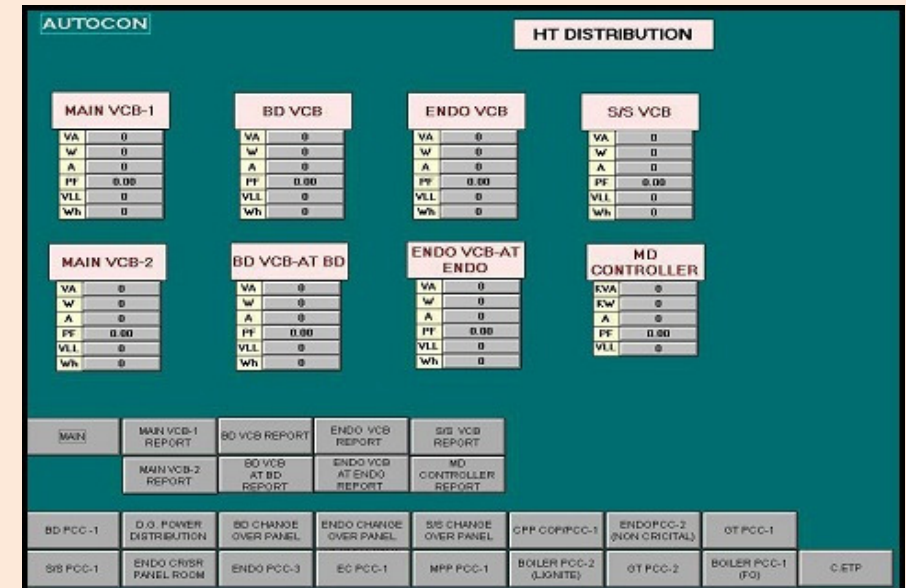
❖ HEAT TREATMENT FURNACE AUTOMATION

- Can be used for electrical/oil fired HT furnaces.
- Single point/multi point control.
- Safety for fan operation & cover open.
- Graphics with furnace codification.
- Graph for history & HT cycle.
- Report for Historical parameters & batch
- Selection for historical data base access
 1. All Data,
 2. Last min/hour/day/month
 3. Data base between the specified period
- MS excel export for batch report & historical report.
- Communication :
 1. Serial Communication
 2. Ethernet



❖ ENERGY MONITORING SYSTEM

- **Monitoring parameters like KVA, KW, V, A, PF**
- **Updation time less than 1 min.**
- **Display of on line data on graphics/ SLD**
- **Historical data can be viewed on report & in trend format**
- **Selection for historical data base access**
- **Facility to transfer data in Excel format**
- **Availability of reports :**
 - 1. Daily report,**
 - 2. Monthly report**
- **Scan time can be set from 1min to 10 min**
- **All data :**
 - Last min/hour/day/month**
 - Data base between specified period**



❖ CONSULTING ENGINEER (INSTRUMENTATION)

- Installed & Commissioned more than 500 PID/close loops.
- Designed & Commissioned Control System From 24 I/O & Up to 1800 I/O.
- Co-Ordinated with OEM & Consultants.
 - Alpine Gmbh
 - Mojj Engineering Pvt Ltd
 - Process Equipment India
 - Archivista Engineering Projects Pvt Ltd
 - Quanta Process
 - Ingersoll Rand
 - SNC Lavlin
 - S M P S
 - Quanta Process Solutions Pvt. Ltd.



❖ CONSULTING ENGINEER (INSTRUMENTATION)

❖ PLANT SHIFTING JOBS

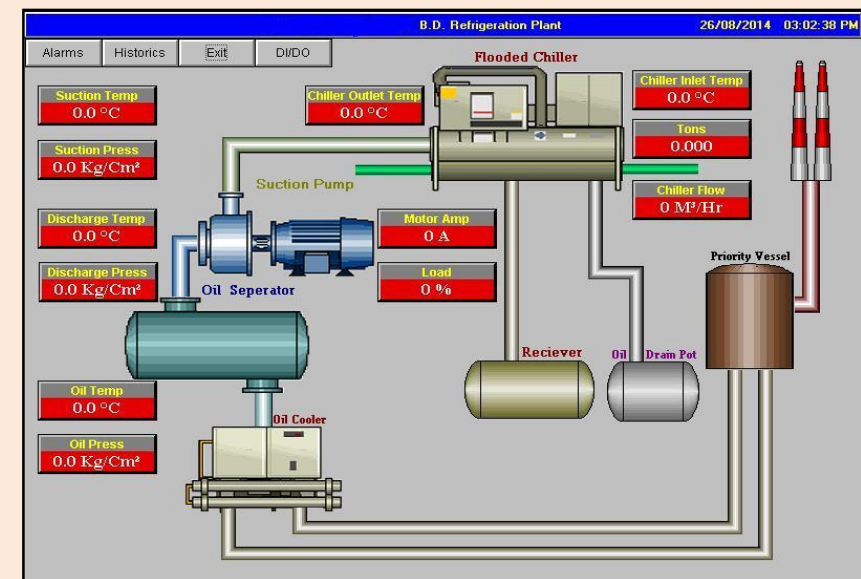
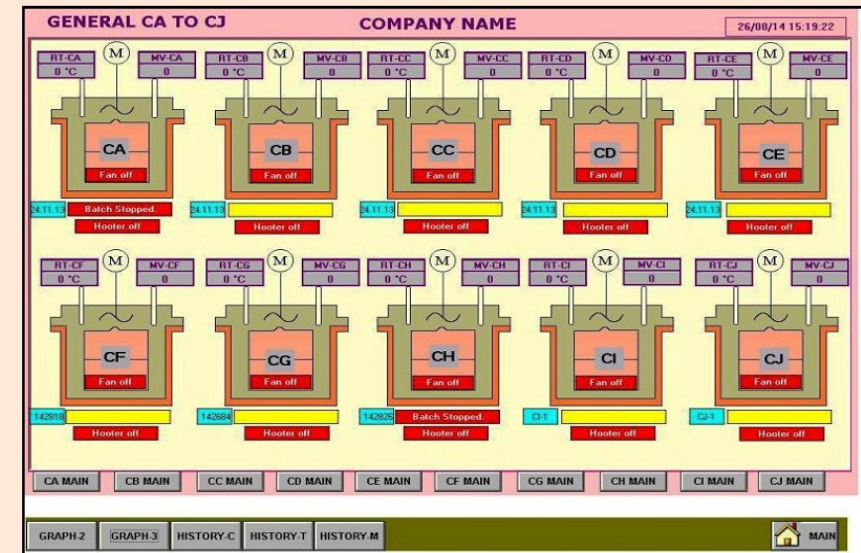
- Hindustan Unilever Chemicals Ltd. (HUCL)
- Haldia Silica Plant to Madhu Silica Pvt. Ltd.
- Industrial Moutra, Spain to Omkar Synthetics.
- Korea, POY Plant to Shiv Synthetics.
- OMM Covering M/C to Stretch Band Guj Pvt. Ltd.
- Emirates Filaments Abu Dhabi, to Mcfil Industries



❖ CONSULTING ENGINEER (INSTRUMENTATION)

❖ CONTROL SYSTEM DEVELOPMENT FOR

- Precipitated Silica Plants
- Magnesium Hydroxide, Alum. hydroxide Plant
- Heat Treatment Furnace profile control
- Alpine GmbH
- OMM Covering Machine/ OMM winging Machine
- Master Batch Control For Multi Filament Ind.
- Green Silica (From Rise Husk).
- Benzoic Acid & Sodium Benzoate.
- Dyes & Pigments, PgCL2
- Flange Mfg./Drilling Automation
- Sink Mfg./Drilling Automation.



❖ TRADING FOR ELECTRICAL & INSTRUMENTS

❖ TRADING

- Temperature, Process Controllers, Sensor,
- RTD-PT100, T/C, Timer, Counter.
- Proximity Switch, Isolators & Controllers.
- Variable Frequency Drives, PLC.
- Scada Development - Ellipse.
- Flow Indicator & Totalizer.
- All Kind of Process Control Instruments.
- Laboratory Instrument.
- Relays, Switchgears, Wires & Cables
- Online parameter transmitters
- Authorised ISP for L&T Products



❖ ECOMMERCE

❖ ECOMMERCE FOR INDUSTRIAL & TECHNOLOGY PRODUCTS

- Ecommerce Website : www.autocon.biz
- E-commerce For Industrial & Technical Products
- Transparent & Reliable Platform
- Reliable Partners for Payment Gateway & Logistics
- Powerful Search Facility on Selected Products
- Wide range of Industrial Product Categories
- Proper specification given for Technical usage
- Catalogs available for Instruments
- Technical support for product purchase & use



e-commerce

THANK YOU !