Your E & I Partner for

PLANT & MACHINE AUTOMATION

SINCE 1998…..

- DCS/PLC, SCADA
- Panel Manufacturing
- IIoT / IT solution
- **Allied ELectricals**
- AMC(Annual Maintenance Contract)
- Reporting and MIS
- Manpower Solution
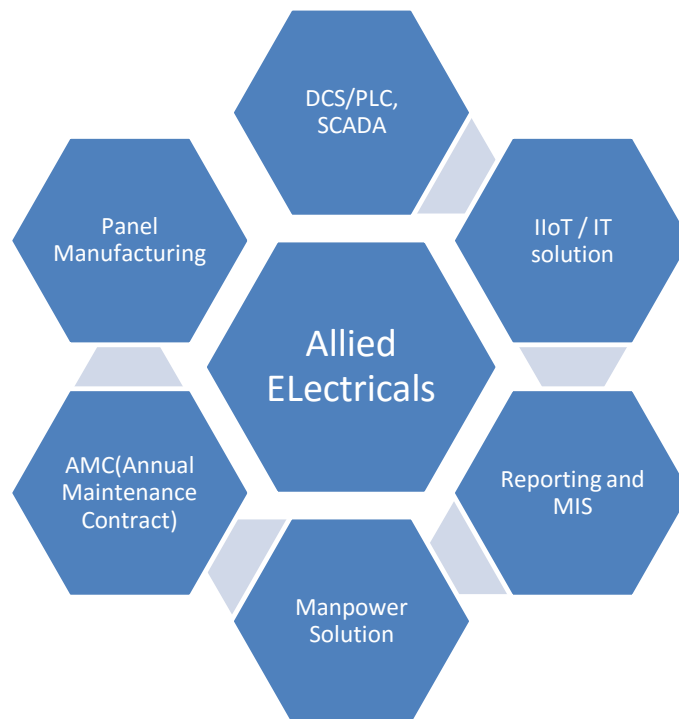
Gala No.21, Lucy Indl. Estate, Near Blue chip Indl Estate, Sativali,Vasai (E), Palghar, Maharashtra, India

Website : www.alliedelectricals.com/
Linked Page : www.linkedin.com/company/allied-electricals/
Mobile no: 9029901703 (Vagish Nishad)

2   Company Background

Allied Electricals stated in year 1998 by Mr. Dilip Sakre. We started with Panel manufacturing for System integrators and OEM manufacturer as well end customer. We also offer value added services such as AMC and Troubleshooting to our clients throughout various industries.
Our credible services and efficiency in manufacturing the electrical panels with utmost dexterity has helped us in ushering new dimensions in the industry.

 Our range of panels includes:

* DCS/PLC Panel
* Control Desk Panel
* Flame Proof Panel
* Electrical Control Panel
* Electrical Power Panel
* Electrical Capacitor Panel
* Drive Panel
* Motor Control Centers

We have automation expertise in:

* Siemens (PCS7 ,Step7, WinCC)
* Allen Bradley (CompactLogix & ControlLogix)
* GE (Nano Micro Series, VersaMax PLC, Rx3i)
* Helmholz (Authorised dealer for India)
* Omron
* Mitsubishi

Our facility includes:

* Automation Solution
* Electrical Panels Manufacturing unit
* Fabrication unit

1998	2008	2012	2018	2019
Company registered Started with Panel Manufacturing	Started with PLC, Automation	Become Authorized dealer for Omron	Become authorized dealer for Eaton, Started IIoT, Reporting and giving IT solution	Become authorized dealer for Helmholz. Started ERP solution.

3   **Authorization**

We have authorisation for Wonderware, Omron, Helmholz, Eaton   5

Helmholz®
COMPATIBLE WITH YOU

CERTIFICATE

AUTHORIZED HELMHOLZ RESELLER INDIA

This is to confirm that Helmholz products are available in India through:

Allied Electricals
Gala No.21, Lucy Indl. Estate, Near Blue chip Indl Estate,
Sativali,Vasai (E), Maharashtra, India.
Phone: +91 9029901703
E-Mail: vagish@alliedelectricals.com
Web: www.alliedelectricals.com

Hereby Allied Electricals is authorized to sell/represent the product range
of Helmholz in India.

Validity: July 1st 2019 to June 31th 2020.

Großenseebach, July 1st 2019

Kevin Kolb
Area Sales Manager Export

Helmholz GmbH & Co. KG | Hannberger Weg 2 | 91091 Großenseebach | Germany | Phone: +49 9135 7380-0 | Fax: +49 9135 7380-110 | info@helmholz.de | www.helmholz.com
Reg. Gericht Furth (Bay.) HRA 10671 | Persönlich haftende Gesellschaftern: Helmholz Verwaltungs GmbH | Reg. Gericht Furth (Bay.) HRB 13642 | Geschäftsführer: Carsten Bokholt, Karsten Eichmüller
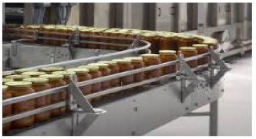
Automation Solution

CHEMICAL	PHARMA	Water & Waste water Management
Food and Beverage	Machine Automation & SPM	Building Management System

We provide the complete solution based on Automation(Siemens, GE, Rockwell, Mitsubishi, Omron Delta etc.)

- PLC and SCADA based application development
- Engineering, Designing & Commissioning of Process Plants
- Developing Reports from SCADA
- Energy Monitoring System
- Pharmaceutical Standard 21 CFR Part 11
- Validation

We are authorized dealer for **Omron**, **Helmholz** and **Eaton** products.

We have automation expertise in
- Siemens (PCS7 ,Step7, WinCC)
- GE   (Nano Micro Series, VersaMax PLC, Rx3i)
- Allen Bradley (CompactLogix & ControlLogix)
- Omron
- Mitsubishi

SIEMENS   Allen-Bradley   EATON

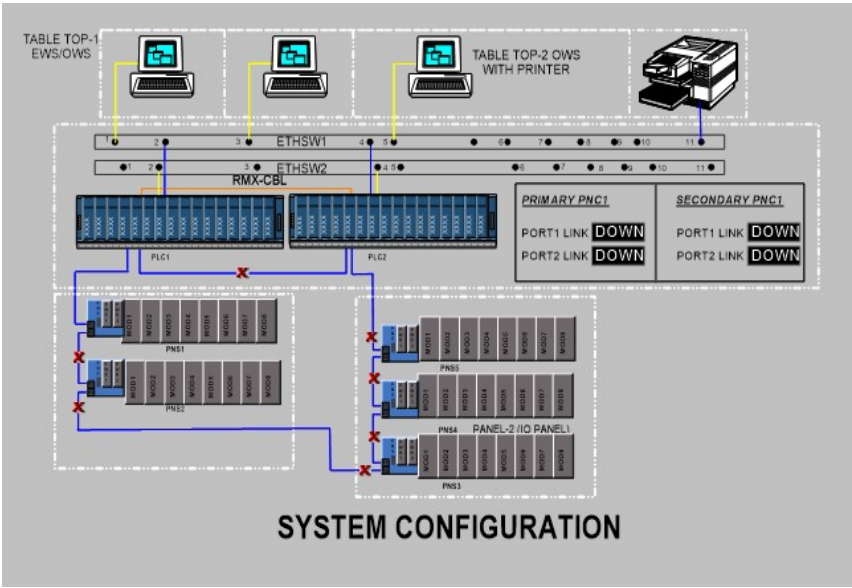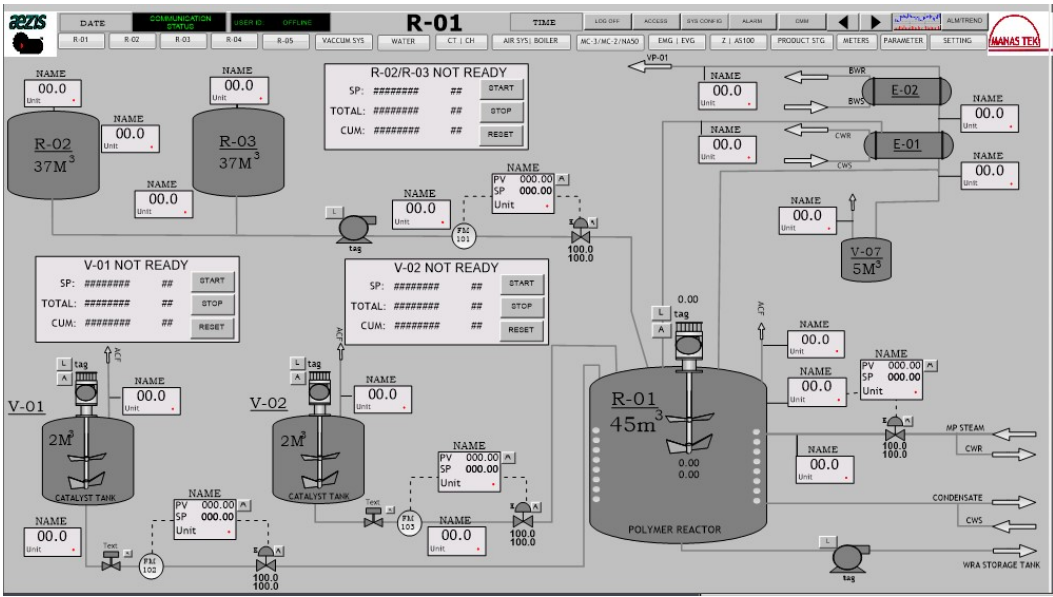GE   OMRON   Helmholz COMPATIBLE WITH YOU

Wonderware by Schneider Electric   MITSUBISHI ELECTRIC Changes for the Better

AE ALLIED ELECTRICALS

## 8 List of Projects

⇨ Water reduction Agent plant – (Chemical Plant)

SYSTEM CONFIGURATION

| Name	Water reduction Agent plant (Aeziz Global Pvt. Ltd)
Project description	Water reduction Agent plant
Project highlights	Redundant controller Rx3i , 50+ Feeder on Modbus, 400 + IOs
Responsibilities	Commissioning , Logic development
Hardware/ software	Rx3i redundant PLC, Modbus Feeder, Cimplicity Scada

⇨ **Atomiser drying system**
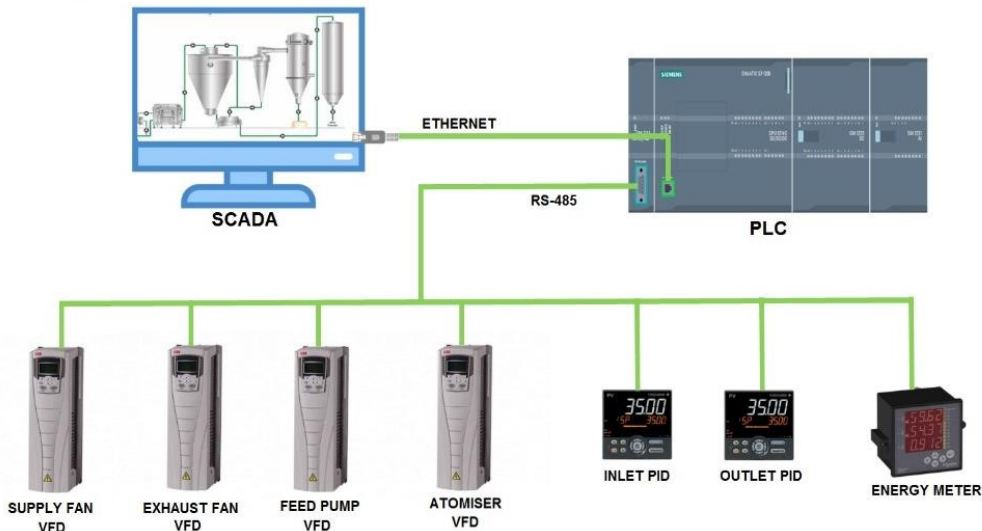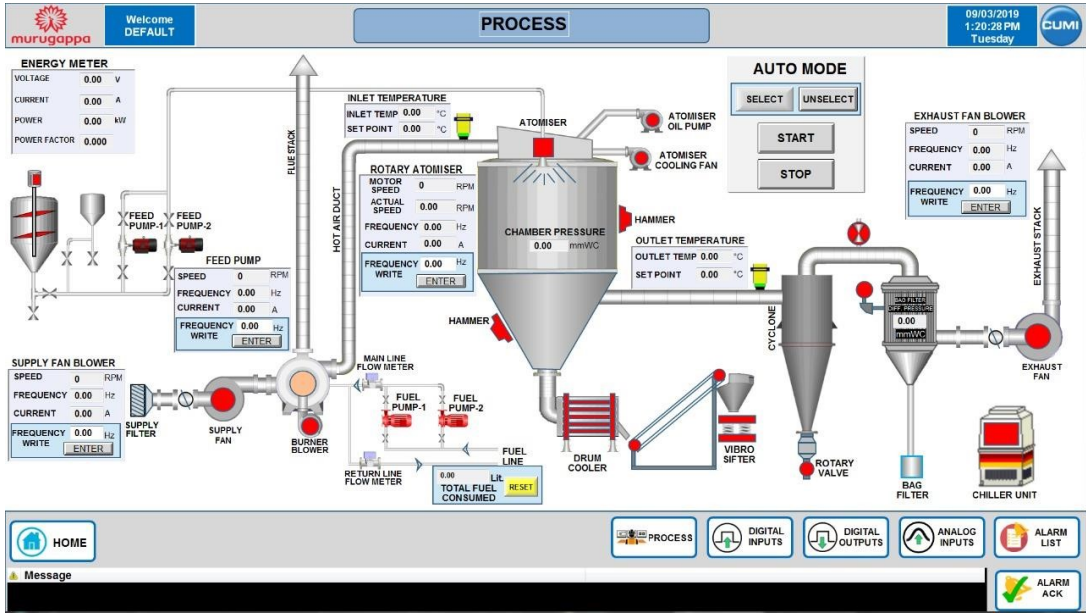
| Name	Atomiser Spray Dryer System (CUMI, Hosur)
Project description	Spray Dryer System
Responsibilities	Logic & SCADA development, FAT, Site commissioning 50 IOs
Hardware/ software	S71200 plc, Yokogawa PID, ABB(ACS550) Drive, ITME SCADA

⇨ **Multi effect evaporator Plant**
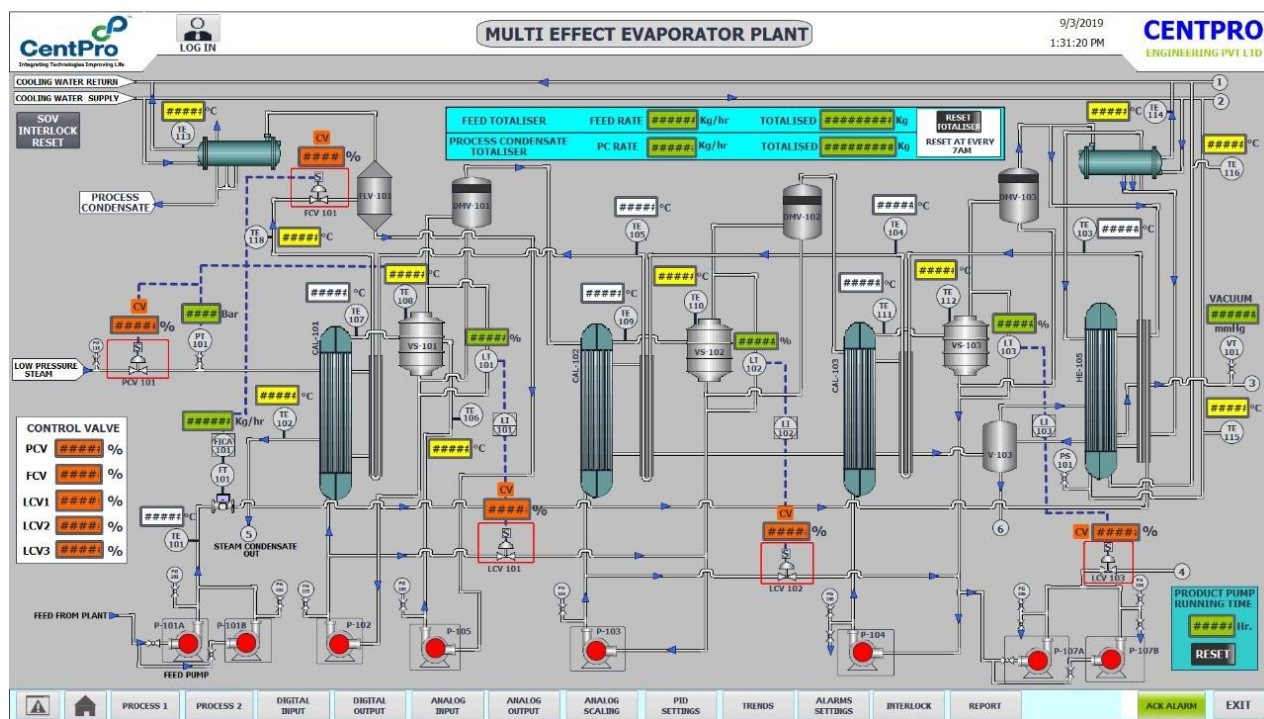
Name	Evaporator Plant (Vinati Organics, Mahad)
Project description	Triple Effect Evaporator Plant
Responsibilities	Logic & SCADA development, FAT, Site commissioning 100 IOs
Hardware/ software	ET200s plc, TIA WinCC .

⇨ **Mixer Vessel (Pharma)**
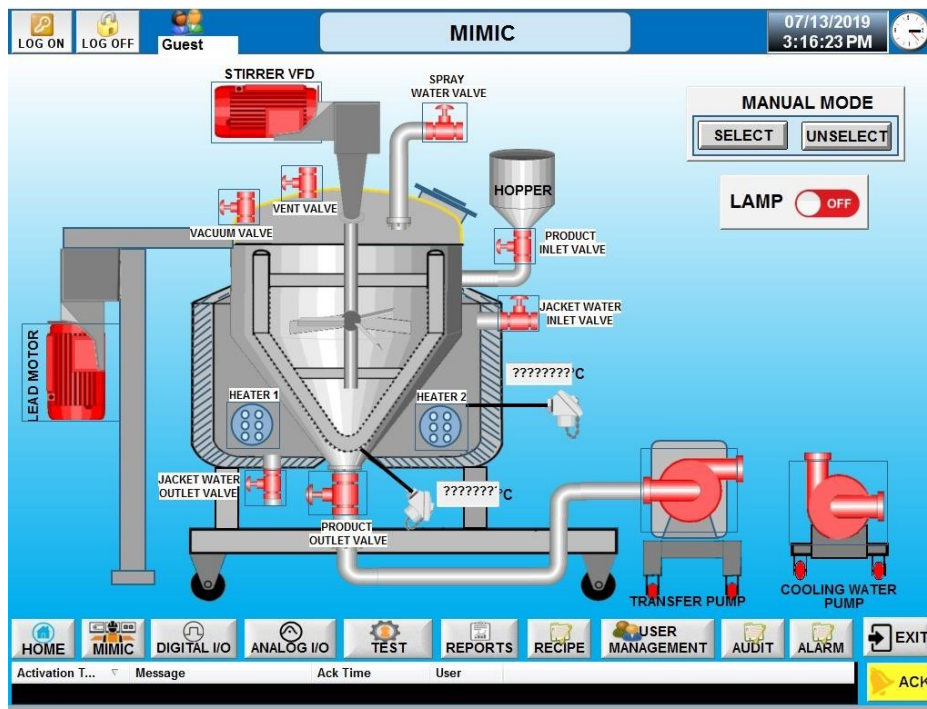
| Name	Pharma Mixing Vessel (21 CFR Part 11)- EUGIA PHARMA
Project description	75 liter storage and mixing vessel
Responsibilities	SCADA development and FAT, 40 IOs
Hardware/ software	ITME SCADA, Mitsubishi PLC- Fx5U, SSRS reporting

⇨ **Tiles loading and sorting system (Revamp project)**
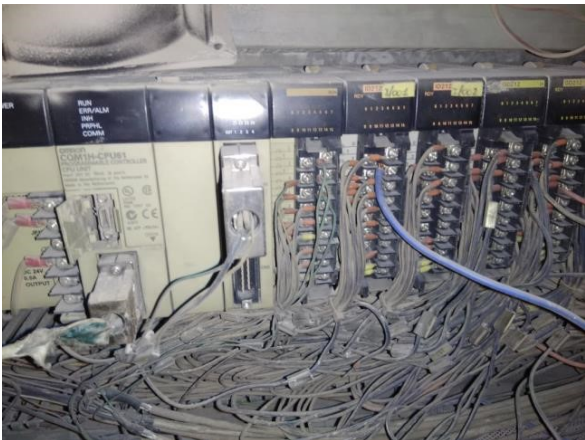
Old PLC

Name	Times Loading and sorting system (HR Johnson, Dolvi)
Project description	Load and short the tiles
Project highlights	1 PLC , 1 HMI , encoder
Responsibilities	Software Development & Commissioning, Removing old PLC and replacing it with new PLC
Hardware/ software	Omron - PLC,NB Series HMI

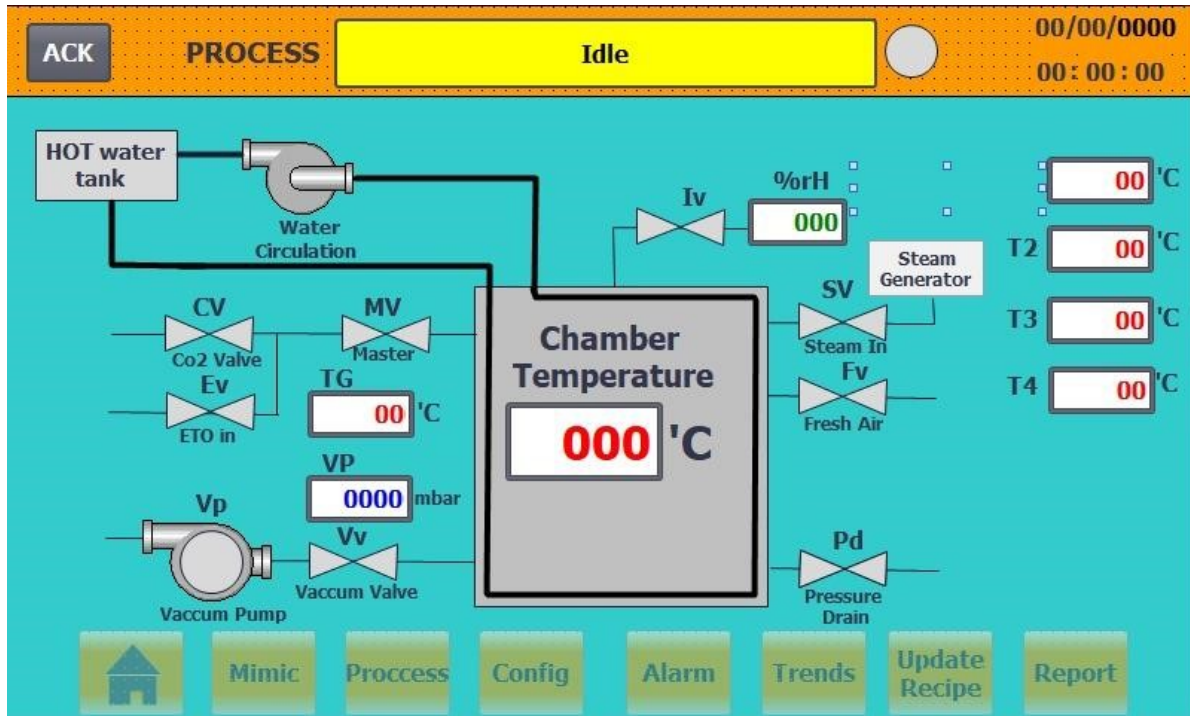## ⇨ **PET Blowing Machine**
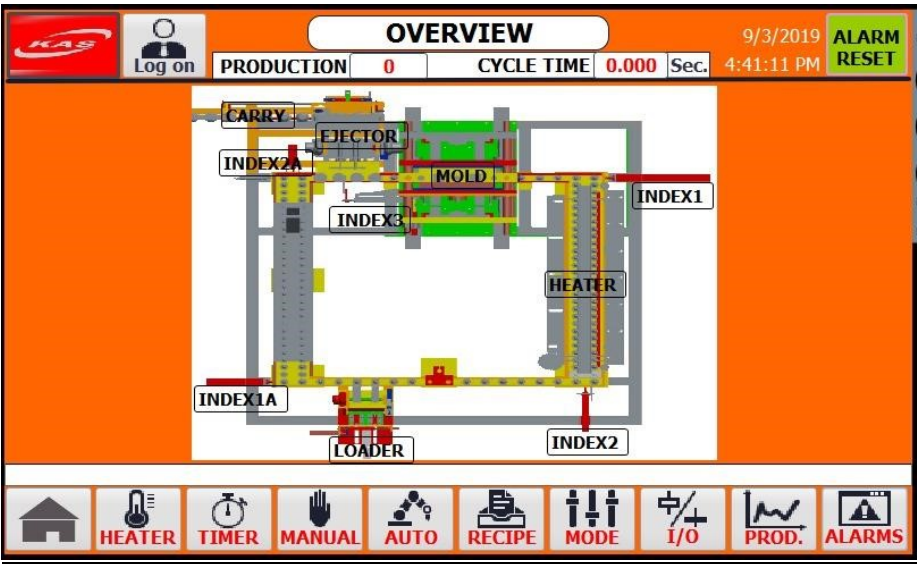
Name	PET Blowing Machine (Kastino Machine, SATARA)
Project description	PET Blowing Machine
Responsibilities	Logic & HMI development, FAT, Site commissioning 100+ IOs
Hardware/ software	S71200 plc, KT700 Comfort /TIA V15

⇨ **Energy Meter IoT solution (Web based)**

RS-485
Modbus

IoT Scada
(Visual Connect)

MQTT

IoT 2040

Lan internet
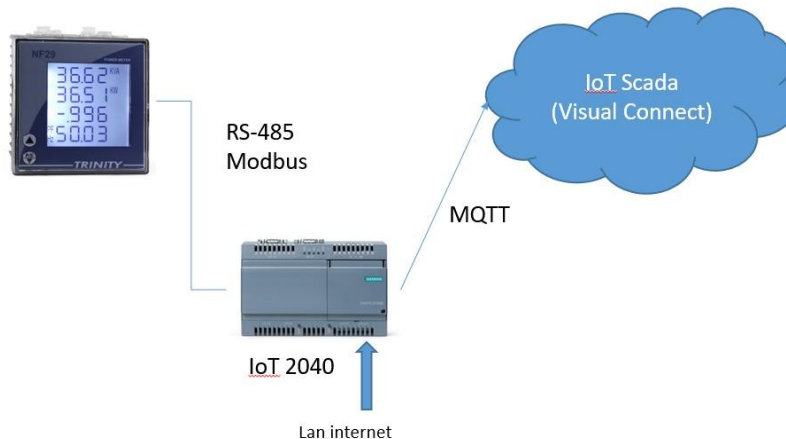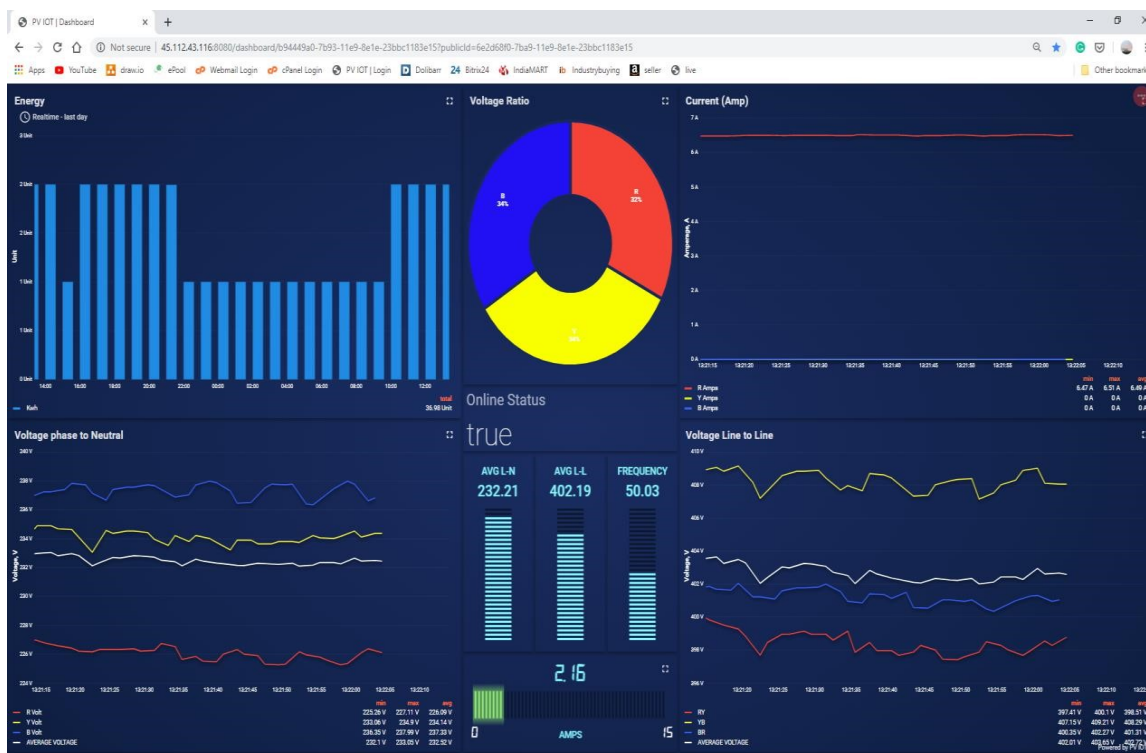
Name	IIoT Solution for Energy Meter (Rensa Tubes, Ankleshwar)
Project description	Get the Power consumption over the Web
Responsibilities	Real-time and historical details of power consumption of plant. Email alerts for phase loss and voltage fluctuations
Hardware/ software	Siemen IoT 2040, Visual Connect (Allied Product)

⇨ **90,000 LPH Plant**
⇨

Name	Solutions 90,000 LPH (Pepsi Plant , Kenya)
Project description	Water treatment and Process for Pepsi Plant 90,000 LPH
Project highlights	Filtration Process for Activated Carbon Filter and Multimedia Filter and Micron Filter etc.
Responsibilities	Software Development, Commissioning
Hardware/ software	1215C DC/DC/DC, 30 Analog Inputs, 10 Analog Outputs, Profinet. SMC valve bank HMI TP1500 Comfort Panel

⇨ **ETO Steriliser (Reva Chem)**

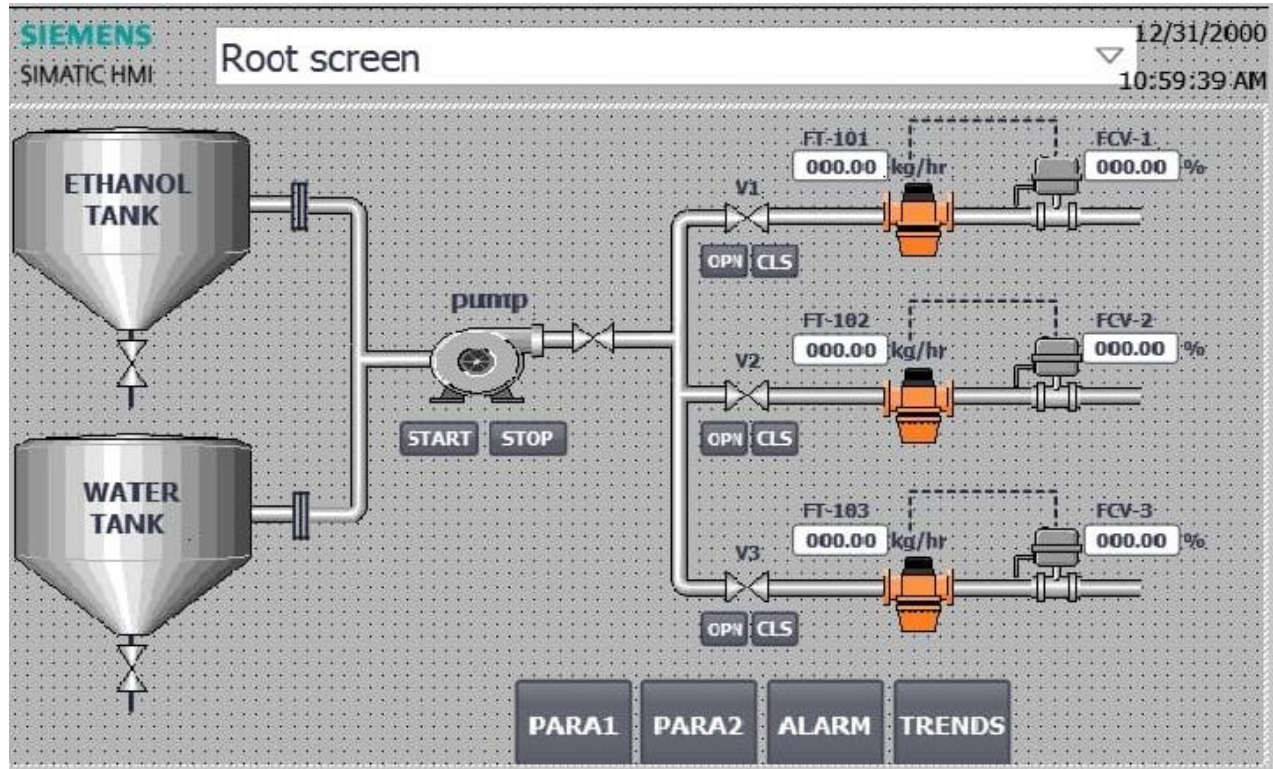| Name	ETO Sterilizer
Project description	Pharmaceutical Machine
Project highlights	ETO sterilizer for Pharmaceutical Applications, With Data log in PDF format in HMI as well as Serial Printing DOT Matrix Printer.
Responsibilities	Software development and Commissioning
Hardware/ software	S7 1200 1214C DC/DC/DC,7 Analog Inputs, Serial Communication RS-232. TP-700 Comfort Panel.

⇨ **Chiller (Super chiller)**
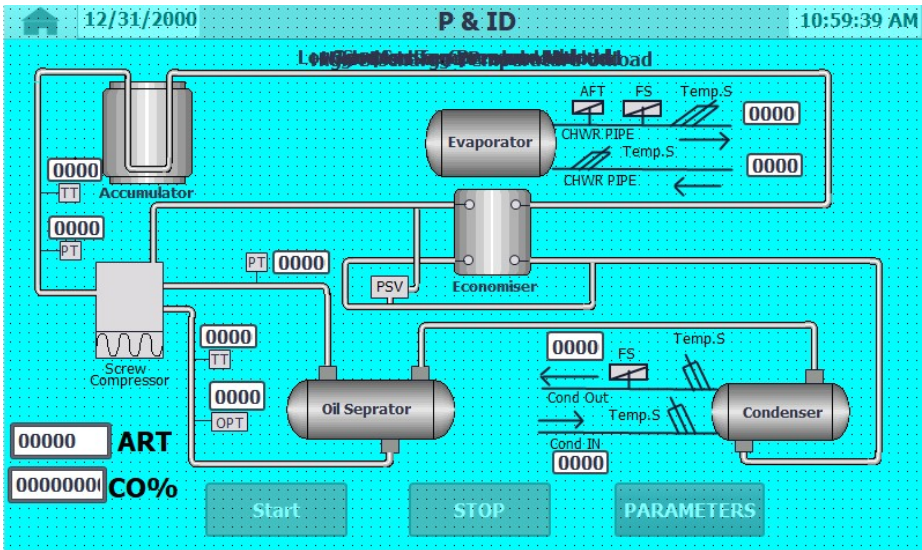
Name	SuperChillers (DorfKetal, Dahej)
Project description	Chilling plant
Project highlights	A Chilling Plant to maintain a Temp of -15°C For Chemical Process
Responsibilities	Software Development, Troubleshooting and Commissioning.
Hardware/ software	S7 200 PLC, 14 Analog inputs, Profinet Interface, HMI-KTP 700 Basic Panel.

⇨ **Water Treatment plant (Distribution)**

Name	WATER TREATMENT PLANT(DISTRIBUTION), MALDIVES
Project description	Distribution system
Responsibilities	Logic & HMI development and FAT
Hardware/ software	ML1400 plc and PV Plus6 HMI / RsLogix1400 and FactorytalkME

⇨ **Solvent Transfer, Indus Biotech**

Name	Solvent Transfer(Indus Biotech)
Project description	Solvent transfer
Project highlights	Web Server, HMI navigation through push button
Responsibilities	Logic development, Commissioning
Hardware/ software	PLC S7-1200, TP 700 HMI

⇨ **Water Treatment plant**
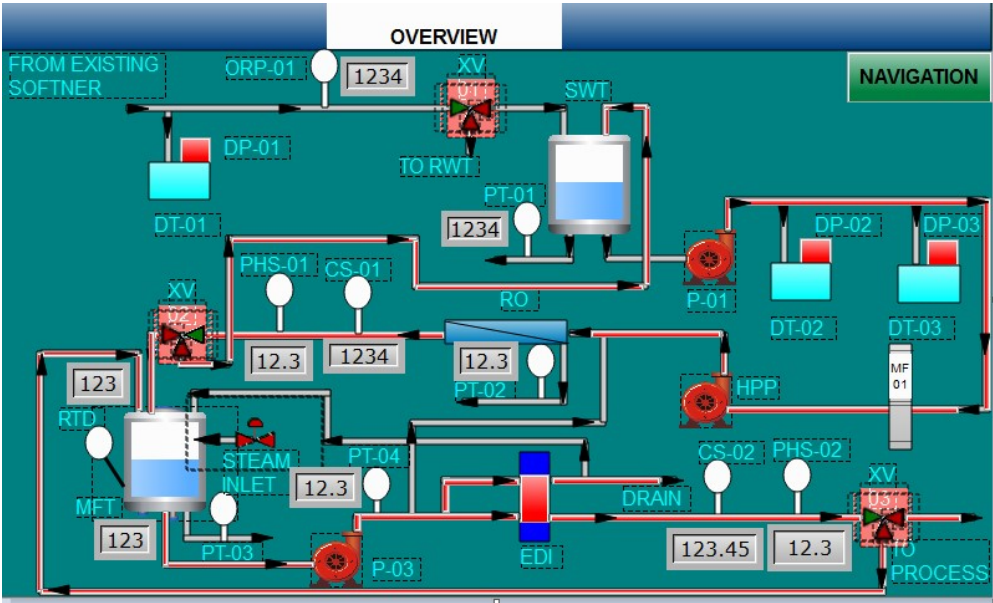
Name	Emzor Water Treatment Plant
Project description	RO Treatment Plant
Project highlights	Plant contains Three section Pretreatment, RO, Edi. All three section works according to the process water purification.
Responsibilities	Commissioning , Autocad Drawing.
Hardware/ software	MICRPLOGIX 1400 PLC,PVP 600 **RSLOGIX 500,FACTORY TALK STUDIO**.