



Avinya Engineers Pvt. Ltd.

Avinya Engineers Overview



- Avinya Engineers is an Industrial Systems Integrator specializing in E&I solutions. Our experienced team of engineers and technicians specializes in designing, installing, and maintaining automated systems that increase efficiency, reduce downtime, and improve overall performance.
- Avinya Engineers provides customers with a sole source solution for Industrial Automation as a Main Automation Contractor. We design and integrate new SCADA and PLC systems using hardware and software from manufacturers like Rockwell, Wonderware, Schneider Electric, Siemens, and Honeywell.
- With the unique skills, Avinya Engineers support our clients needs through Process automation strategy development, Control system integration, Process information integration, Software engineering, and Project Management. We support digital transformation, industrial network solutions, and artificial intelligence, bringing information from the plant floor the to top floor by implementing IIOT / Industries 4.0.



Oil & Gas



Chemical



Automotive



Pharma



Metal



Cement



Paper



OEM



- NextGen Incorporated
- Product Tracking Solution

- Teltonika Authorized Partner
- EV Remote monitoring solution
- IIoT solution developed and deployed

- Pune Remote operation Started
- Schneider Authorized SI
- Ultracab Authorized Partner
- Chem plant automation system
- Furnace Automation – PLC + VFD

- Avinya Pvt Ltd Incorporated
- MAC order
- Pharma Plant Automation
- Boiler OEM
- In House Panel Manufacturing

- EXOR HMI authorized partner
- Rajkot Branch Operational
- Launch our New Automation Product Range with Brand Name “AVINTECH”

Solutions & Services

Main Automation Contractor

Industries 4.0

Digital Solutions

Trusted Partner

- IoT & Industry 4.0 Solutions
- Engineering Data Analytics
- Automation Solution
- 5G and Wireless



- PLC/DCS/HMI/Automation Software
- VFD/Servo System/Field Instrumentation
- Switch Gears/Industrial Cable
- IPC, BOX-PC, Ethernet Switches, HMI, Industrial Routers, Gateways, Remote IO

- Customized Solution /System Migration / Upgradation
- Electrical/VFD/PLC Panel
- Vibration Monitoring System
- Energy Monitoring System
- Maintenance Support
- Obsolescence Management

- **IoT & Industry 4.0 Solutions**
 - Digital Factory: Plant / Machine Integration /Sensors / Instrumentations/skids integration
 - Floor Level to Enterprise Level Connectivity
 - IT / OT integration
 - Realtime data monitoring
- **Engineering Data Analytics**
 - KPI-driven dashboard
 - Business Analytics
 - OEE
- **Automation Solution**
 - Fit for Purpose System: Design & Engineering of Customized Automation system
 - BPCS: Process Control & Optimization
 - Batch Control: Specialty Chemicals, Pharmaceutical (API & Formulation Plant)
 - OEM / Skid: Air compressor Control panel
- **5G and Wireless**
 - Digital Supply Chain via 5G
 - Wireless monitoring and controlling

Industrial Products



PLC/DCS/HMI/Automation Software

Schneider Electrical
Rockwell Automation
Siemens
Exor Industrial HMI

VFD/Servo System

Schneider Electrical
Rockwell Automation
Fuji

Field Instrumentation Pressure, Temperature, Flow, pH, ORP, Level, Valves

Industrial Cable

Electrical
Signal
Power
control
Communication cables

AVINTECH : IPC, BOX-PC, Ethernet Switches, HMI, Industrial Routers, Gateways, Remote IO

Our Products



AVINTECH



IPC



BOX-PC



Ethernet Switches



HMI



Gateways



Industrial Routers



Universal Socket



Remote IO's

- **Customized Solution /System Migration / Upgradation**
 - Furnace, boiler, and burner management for steel, Dairy & Chemical Plants
 - Water & Wastewater Treatment Plant Automation.
 - ETP plant automation
 - End to End Product Tracking: Integrated Barcode / QR code management System
 - Predictive Maintenance -Motor Condition monitoring
 - Quality Improvement: Vision Inspection System, Tighter quality control system
 - Argon Oxygen Decarburization / Gas Mixing Station / Vacuum Degassing / Caster for Steel Manufacturing plant
- **Electrical/VFD/PLC Panel**
 - Various LT Electrical Panels – PCC/MCC/APFC/PMCC
 - LT VFD Panel
 - PLC/HMI Panel
 - Vibration Monitoring System
 - Energy Monitoring System
- **Maintenance Support**
 - Programming/Troubleshooting Services: PLC/VFD/DCS/SCADA
 - Customized programming
- **Obsolescence Management**
 - Lifecycle management
 - Cannibalizing

IIoT – Remote Monitoring



Project Overview

IIOT solution - OEM machine's remote critical data monitoring for predictive maintenance. Remote access for entire control system trouble shooting, programming, application modification

Solution Overview

Control System Platform: Rockwell Automation

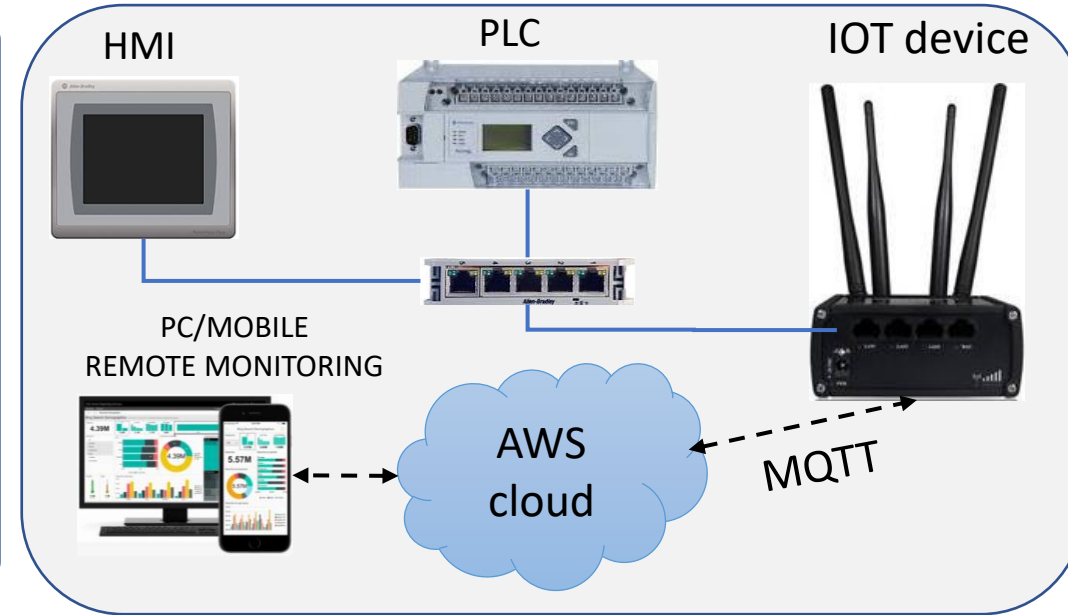
Hardware: MicroLogix, Panel view HMI, IoT Gateway

IO: 120 Hard, 250 Soft, 1 VFD integration, Electrical signals integration

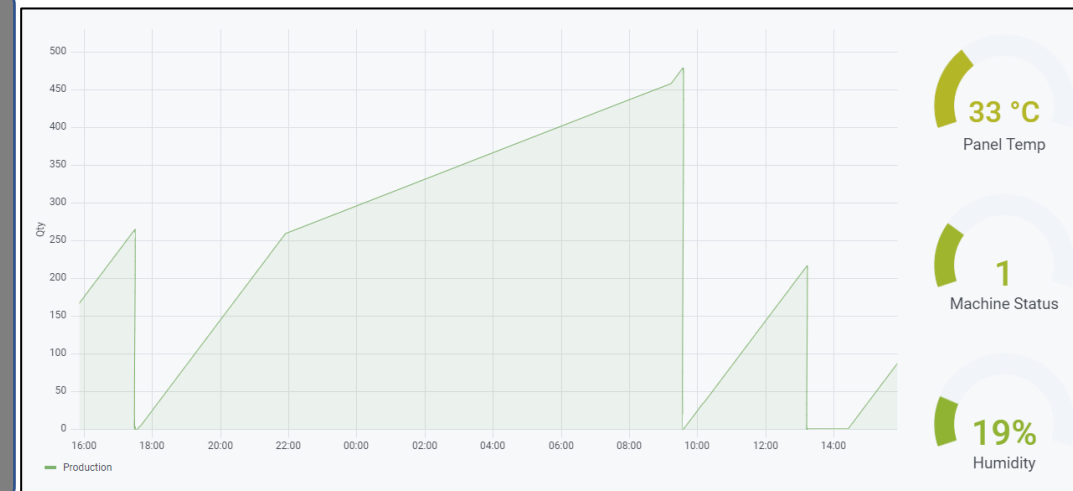
Software: Factory talk view, Studio 5000

Reporting: Cloud base remote monitoring, customize reporting, Dash board

System Architecture



Remote Monitoring



CNG Compressor Control System



Project
Overview

CNG compressor automation with ATEX approved Panel - Integration of Multiple PLC platform, VFD, HMI. Engineering, product selection, PLC/Scada Programming

Control System Platform: Rockwell Automation

Hardware: Compact Logix, ABB VFD, Point IO, Panel view HMI, Micrologix 1400

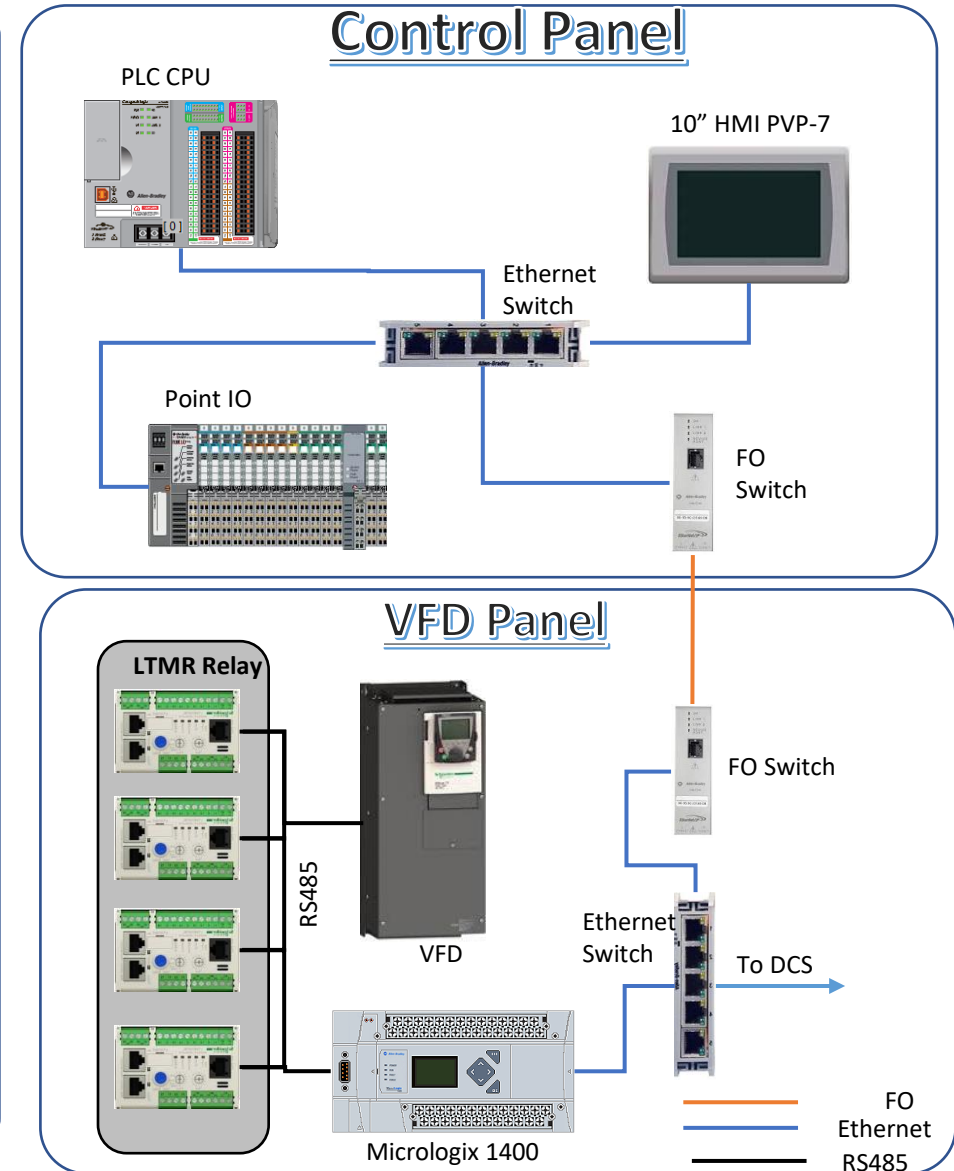
IO: 120 Hard, 279 Soft, 1 VFD integration, Electrical signals integration

Software: Factory talk view, Studio 5000

Network: Fiber Optic, Ethernet IP, RS 485

Solution
Overview

System Architecture



Furnace Control System



Project Overview

Furnace control system design, manufacturing, application development, installation and commissioning along with Electrical Integration

Solution Overview

Control System Platform: Rockwell Automation

Hardware: Compact Logix, Powerflex VFD, Point IO, Panel view HMI, 24VDC SMPS

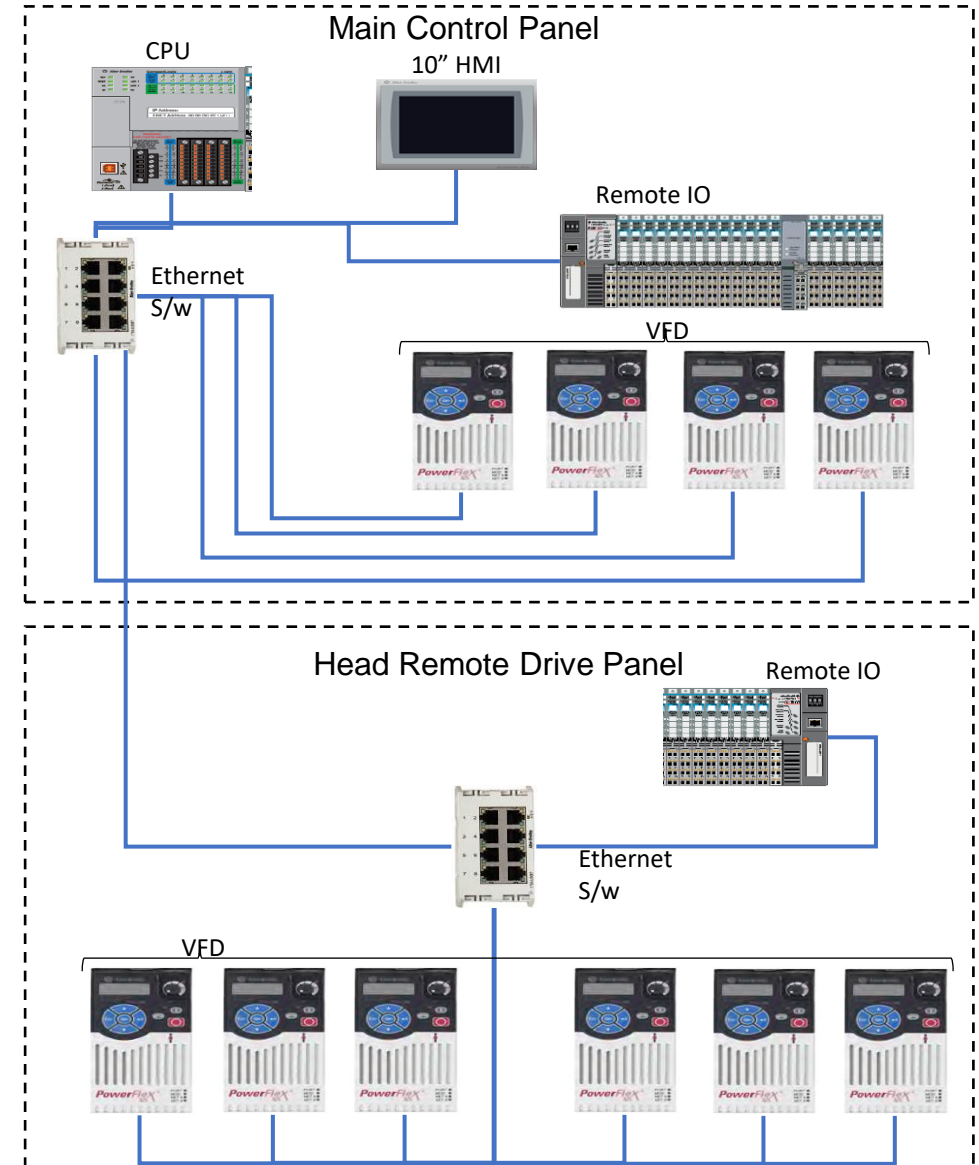
IO: 120 Hard, 580 Soft, 10 VFD integration, Electrical signals integration

Software: Factory talk view, Studio 5000

Redundancy: Controller, Communication

Panel: Fully wired panel with all required accessories – **16 Nos**

System Architecture



Boiler Control System



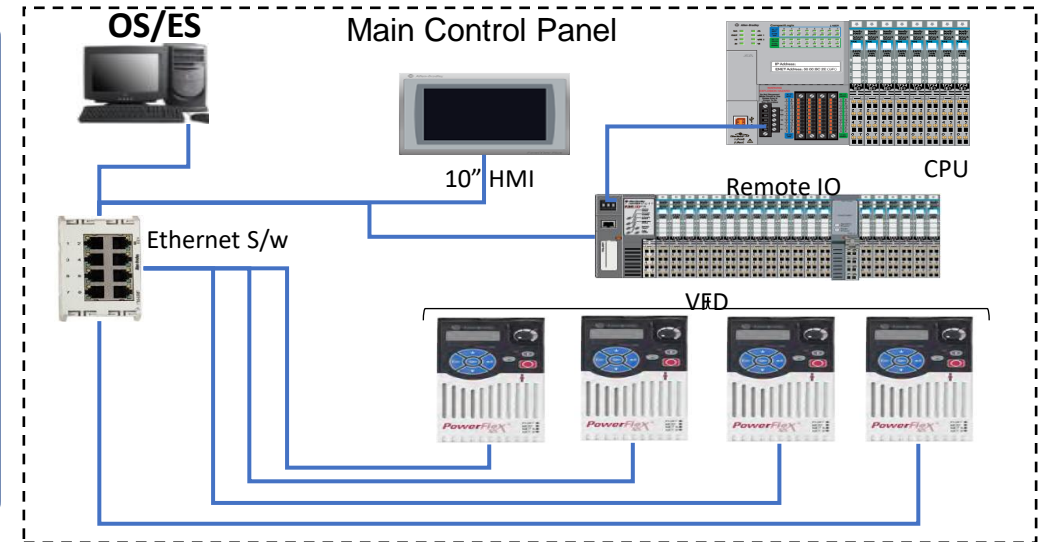
Project Overview

60 TPD BOILER - control system design, manufacturing, application development, installation, and commissioning along with Electrical Integration

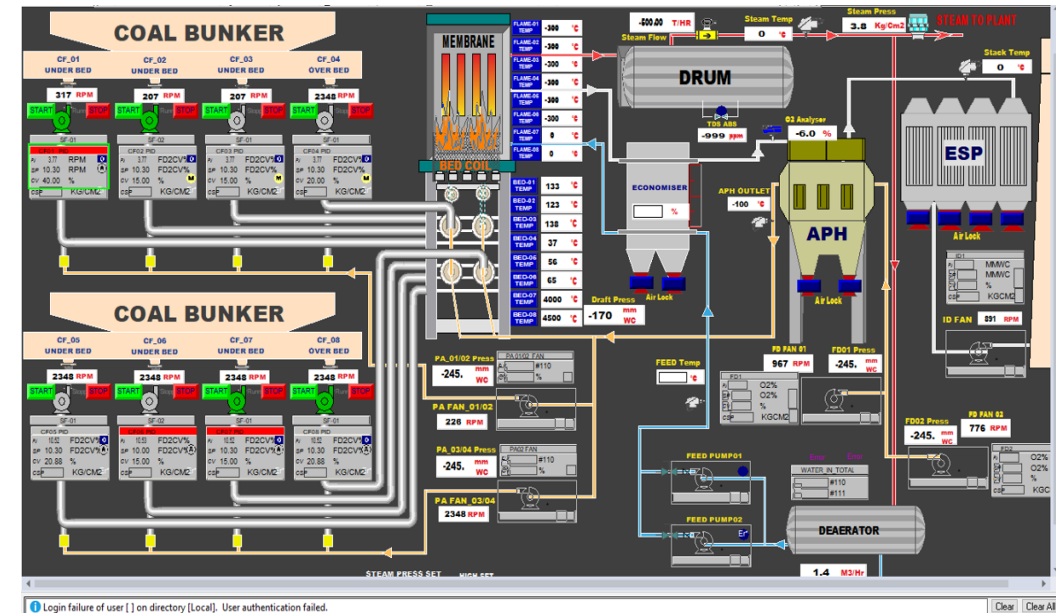
Solution Overview

Control System Platform: Rockwell Automation
Hardware: Compact Logix, Point IO, Panel view HMI, Powerflex VFD, 24VDC SMPS
IO: 180 Hard, 460 Soft, 9 VFD integration, 20 Electrical signals integration
Software: Factory talk view, Studio 5000
Redundancy: Communication - Device level Ring

System Architecture



SCADA GRAPHICS



ETP Control System



Project Overview

200 KLD Effluent Treatment Plant control system design, manufacturing, application development, installation, and commissioning along with Electrical Integration

Solution Overview

Control System Platform: Rockwell Automation

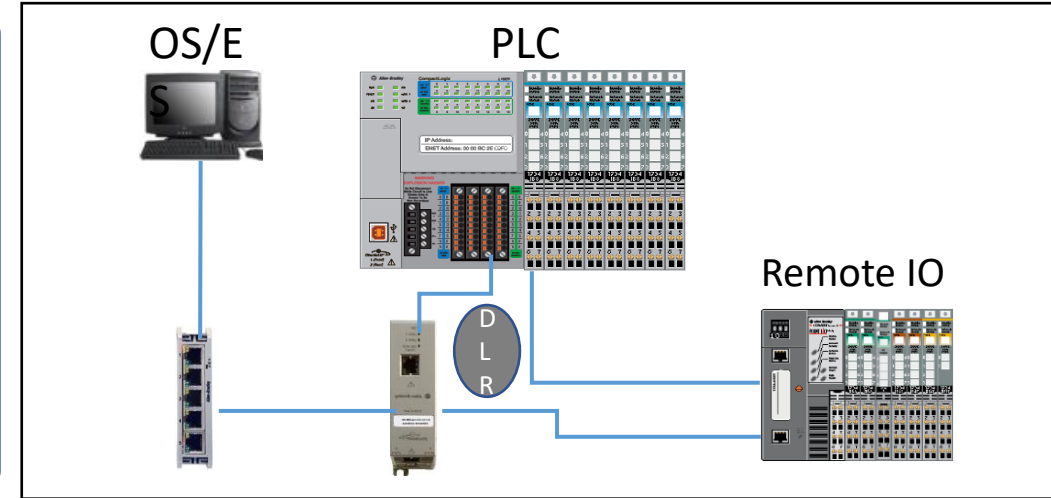
Hardware: Compact Logix, Point IO, Panel view HMI

IO: 80 Hard, 210 Soft, 5 VFD integration, 20 Electrical signals integration

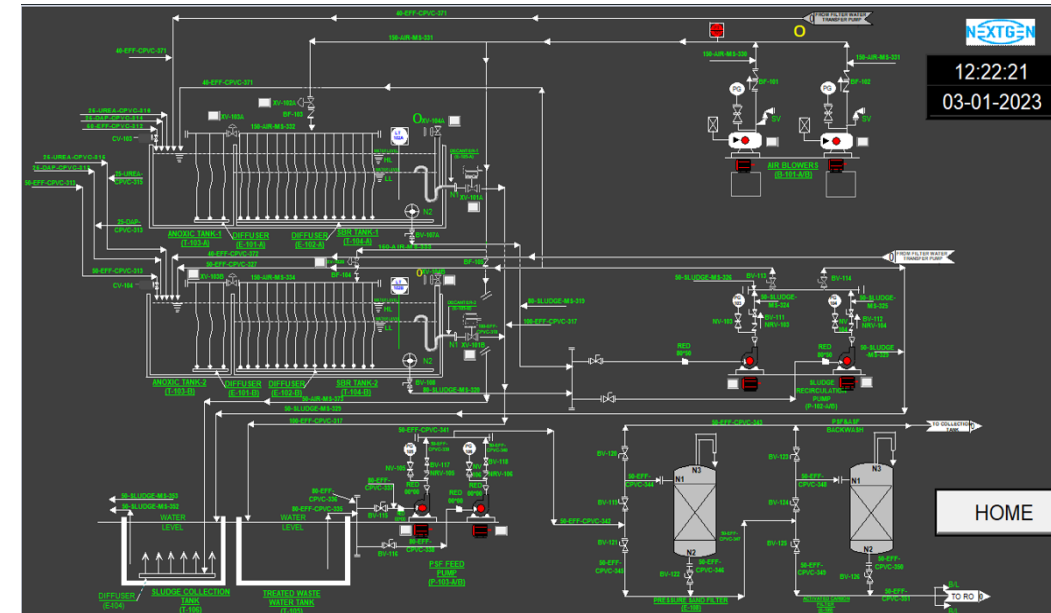
Software: Factory talk view, Studio 5000

Redundancy: Communication - Device level Ring

System Architecture



SCADA GRAPHICS



Material Handling System



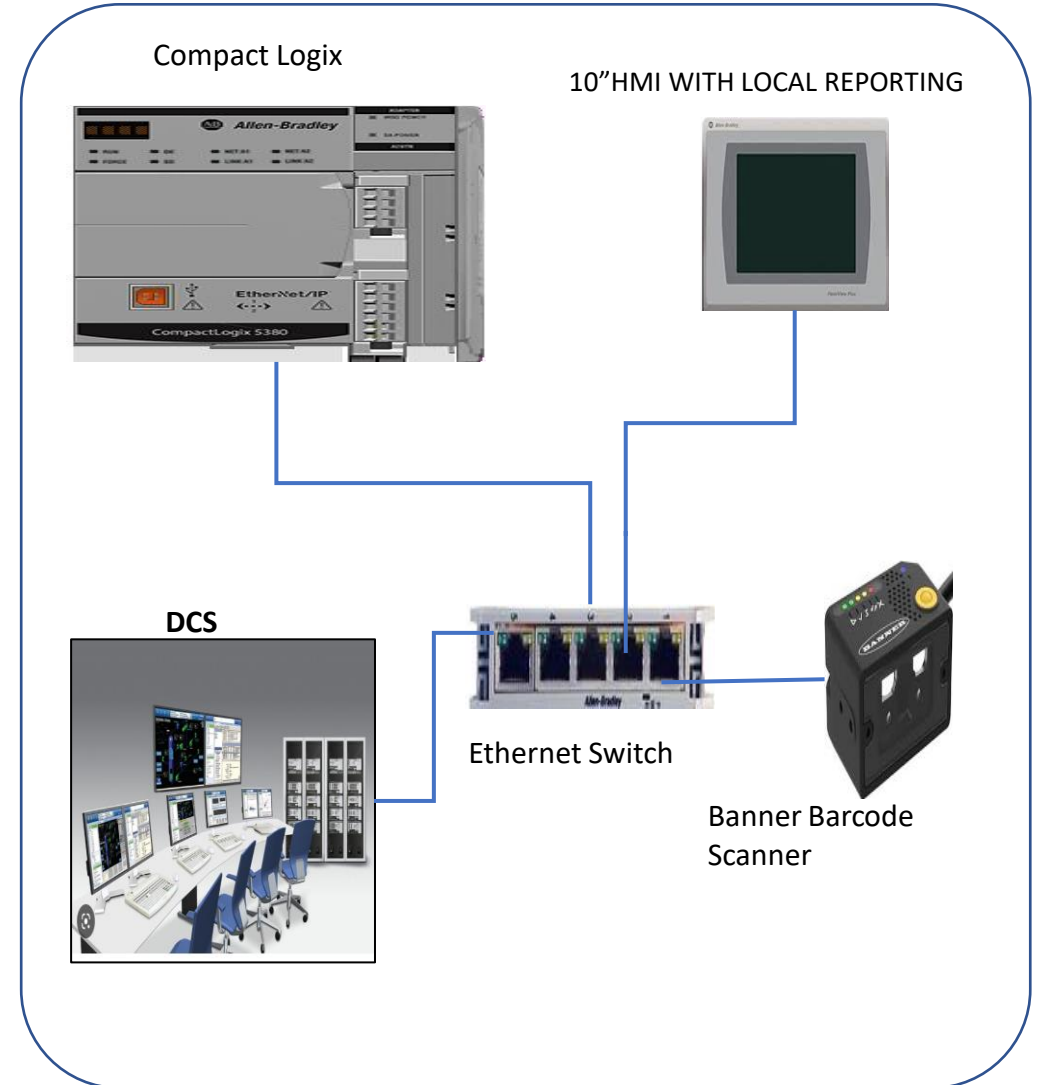
Project
Overview

Fast moving Material Management -
Complete System Designing and
Engineering of Barcode management
system integrated to DCS and Local HMI
with local reporting functionality.

Solution
Overview

Control System Platform: Rockwell Automation
Hardware: Compact Logix, Panel view HMI,
High speed barcode scanner
Software: Factory talk view, Studio 5000
Reporting: Customized reporting functionality
on local HMI

System Architecture



Authorization certificates



Certificate

We hereby certify that M/s NextGen Automation is an Associated System Integrator ("ASI") of Schneider Electric India Private Limited ("Schneider Electric"). ASI shall adhere to Schneider Electric guidelines and policies as applicable from time to time.

As per Schneider Electric norms, we support our ASI by way of Logistics support and need based technical support as per our agreed terms and conditions.

M/s NextGen Automation exhibited his expertise on delivering quality projects in the Industry using Schneider Electric Automation Solutions and proven their loyalty to both Customer and Schneider Electric.

The certificate is valid for a period of one (1) year, i.e., from 1st Oct 2020 to 31st Dec 2020 and can subject to adherence to Schneider Electric guidelines and Polices by ASI, be renewed for a further period of one (1) year.

For M/s. Schneider Electric India Pvt Ltd,

Sudarshan Joshi
System Integrator Channel Head



CIN : U32109KA2007PTC042665

Channel Partner Certificate

Date: 11/01/2021

Sub: Authorized channel partner of Teltonika India

Whom it may concern,

We Teltonika India, Having HQ at K.Baršausko st. 66, LT-51436, Kaunas, Lithuania, Europe, hereby certify that M/S NEXTGEN AUTOMATION having office at #303, Maple Green, Vadodara, Gujarat-390011 is our authorized channel partner in Gujarat Region - India.

Teltonika as OEM/vendor furthermore commits to provide support to our clients, partners and end users, as per our standard terms and conditions.

Certificate Valid Till: 2021-06-30

Thanking You.


Authorized Signatory

Name : Nishad Ali

Designation : CEO (Teltonika India)

Authorization certificates






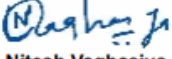
An Iso 9001:2015 Certified Company

Distributor Certificate

This is to Certify that
M/s. NEXTGEN AUTOMATION (VADODARA)
has been appointed as a authorised
Distributor in VADODARA




TM




Nitesh Vaghasiya
CMD


Ultracab (India) Limited
www.ultracab.in



E 352485




E 352485




IS : 7088
CML 3647469




IS : 14255
CML 7600028916





IS : 694
CML 3647570



IS : 1554
CML 7999423









Valid Till : 31/03/2022



Exor India Pvt. Ltd.
Office No.1901/1902 | 19th Floor | AMBIANCE COURT | Plot No.02,
Sector No. 19D | Vashi, Navi Mumbai-400703 | India
Contact No.:- +91: 022-27840422

GSTIN:- 27AAACE8888K1ZX

Date: - 1st April 2022

TO WHOM SO EVER IT MAY CONCERN

This is to certify that the **M/s. NextGen Automation** having office at Vadodara is our **"Authorized System Integrator"** to sell complete range of Exor products in Vadodara region.

M/s. NextGen Automation is having technical team for providing after sales support of Exor HMI's and commissioning support engineer trained by Exor India Pvt. Ltd.

Exor India Pvt. Ltd shall be offering warranties on all Exor products supplied through **M/s. NextGen Automation** as per standard terms and conditions of the sale.

For any further clarification/confirmation, please feel free to contact us. We assure you of our best services at all the times.

Valid Till: - 31st March 2023

Thanking you,

Yours faithfully,

For Exor India Pvt Ltd





Authorized Signatory
Varun Arora
General Manager

Thank You



Head Office:

893/1, GIDC Makarpura , Near Tempo
Chowkadi, Vadodara-390010

Branch Office:

Bus stand, Office No. 75, 3rd Floor, Kanak
Road, Karan para, Rajkot-360001



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Avinya Engineers Pvt. Ltd.
Formerly Known as NextGen Automation