

# INTEGRATED AUTOMATION SOLUTIONS FOR SUSTAINED GROWTH



## Avion Automation & Instruments



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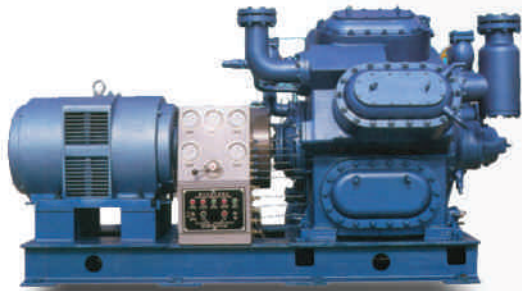
Website : [www.aainstrument.com](http://www.aainstrument.com)



Avion Automation & Instruments

**Inspiring Innovation. Leading Automation**

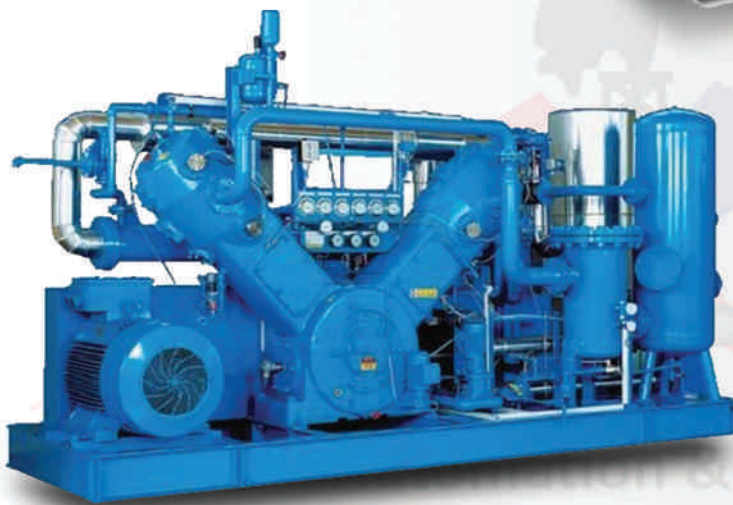
# Gas Compressor



Ammonia Compressor Gas



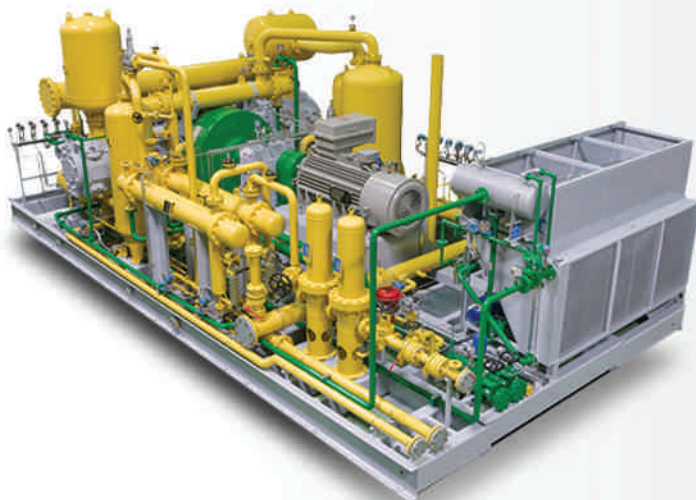
Natural Gas compressor



Screw Compressor



Boosting Compressor



Centrifugal Gas compressor

# METERING SKID



**Flow Metering System**



**Positive Displacement Metering System**

# AUTOMATION

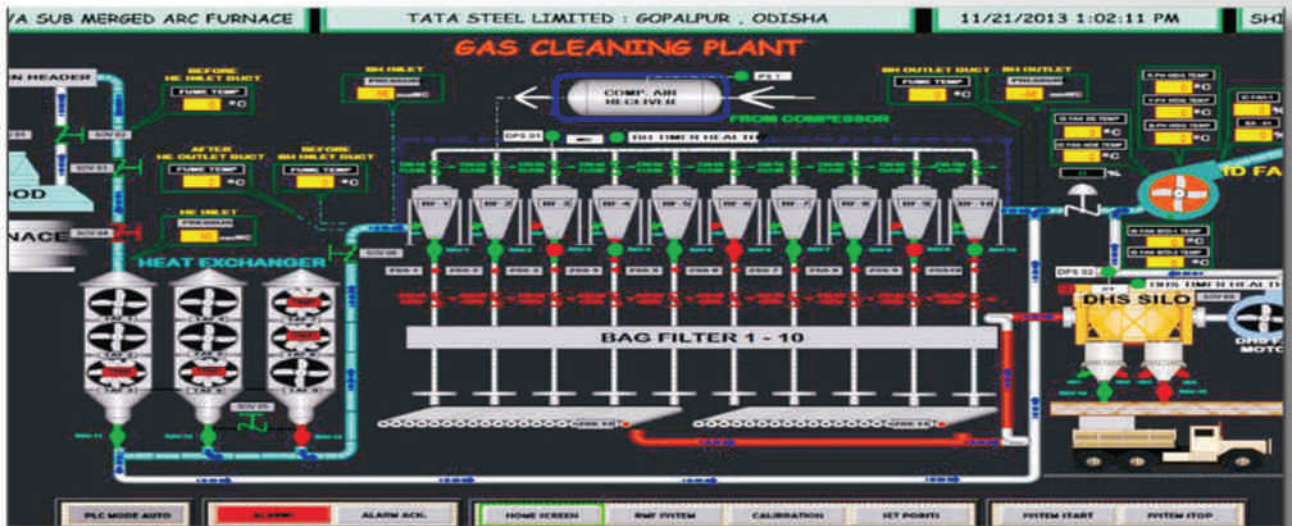
## WHO WE ARE

- AUTHORIZED ROCKWELL & MITSUBISHI AUTOMATION SYSTEM INTEGRATORS BASED IN MUMBAI
- 12 YEARS OF EXPERIENCE DELIVERING AUTOMATION SOLUTIONS
- SUCCESSFULLY EXECUTED MORE THAN 500 PROJECTS OVER THREE CONTINENTS
- DEDICATED TEAM OF MORE TEN 30 QUALIFIED AUTOMATION ENGINEERS WITH EXTENSIVE EXPERIENCE IN KEY VERTICALS PROVIDING 24X7 SUPPORT & SERVICE
- MORE THAN 100 SATISFIED CLIENTS INCLUDING FORTUNE 500 COMPANIES SUCH AS INDIAN OIL CORPORATION, TATA STEEL ETC.

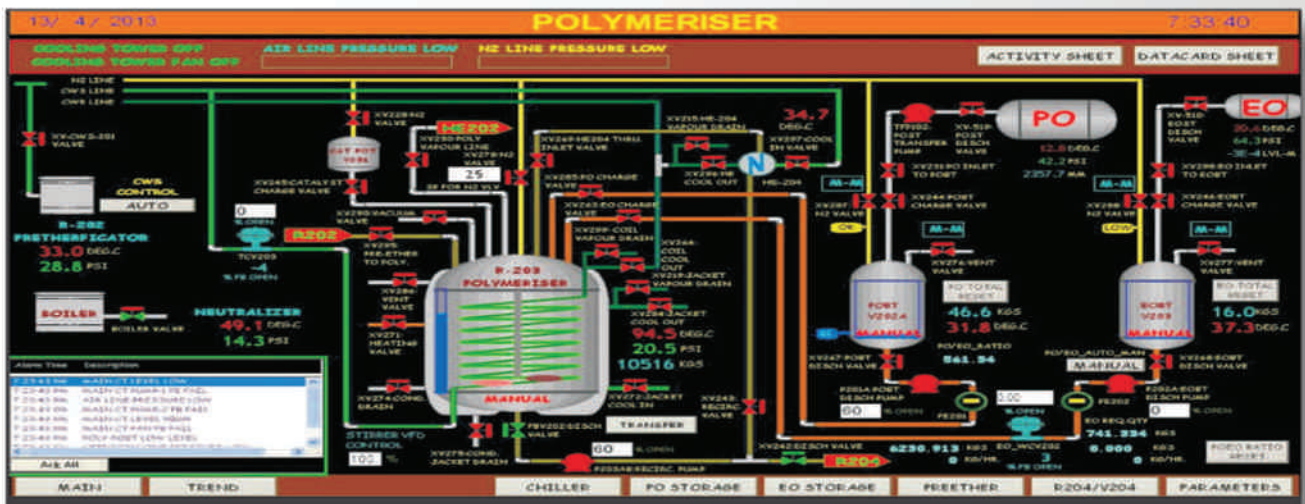
## HOW CAN WE HELP

- PLC / SCADA / HMI software development
- Process & factory Automation
- PLC / MCC / PCC / LT & VFD panel designing & manufacturing
- Drive & Motor control solution

## RECENT PROJECTS



## TATA STEEL LTD.

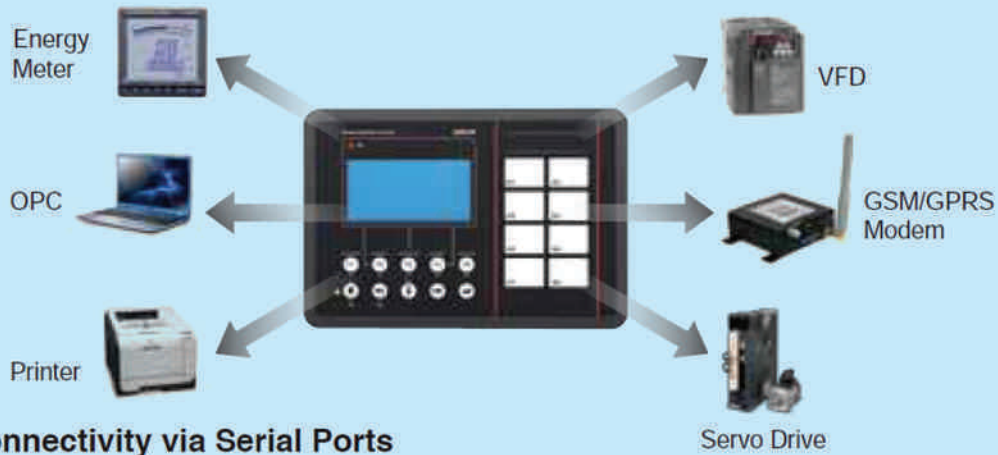


## ASIAN AEROSOLAN PVT. LTD.



# MITSUBISHI

## Wide connectivity to Fulfil Your Basic Needs



## INTRODUCTION

### Key Attributes

- I/O Capacity – 48
- Main Unit – 16 IO and 32 IO
- I/O Extension Unit – Analog, DI/DO
- Communication Options –
  - Serial RS232
  - Serial RS422/485
  - Ethernet
- Display – 3.5"
- Configurable MODBUS RTU Master/Slave



"A single controller for all my automation needs"



## Universal Connectivity

- |                      |                        |
|----------------------|------------------------|
| ■ OPC-DA             | ■ OPC UA               |
| ■ OPC HDA            | ■ OPC UA HDA           |
| ■ MC Works64         | ■ BACnet               |
| ■ MC Historian       | ■ SNMP                 |
| ■ Web Services       | ■ 3rd Party Databases/ |
| ■ TrendWorX32 Server | ■ Plant Historians     |



## PLC BASED BATCHING AND WEIGHING SYSTEMS

### SPECIFICATIONS

- Auto tare / Auto in flight correction
- Material bypass / system pause facility
- Stand by manual mode
- Shift report/day report / month report
- Alarm history for monitoring faults
- SMS / Email based alerts

## FURNACE AUTOMATION & POWER MONITORING SYSTEMS

### SPECIFICATIONS

- Decide efficiency & optimum usage of power
- Auto regulation / Auto slipping
- Monitoring of all Power parameters
- Trend generation of important time based parameters
- Report generation
- SMS / Email based alerts



## PLC/ MCC / PCC/ LT PANELS

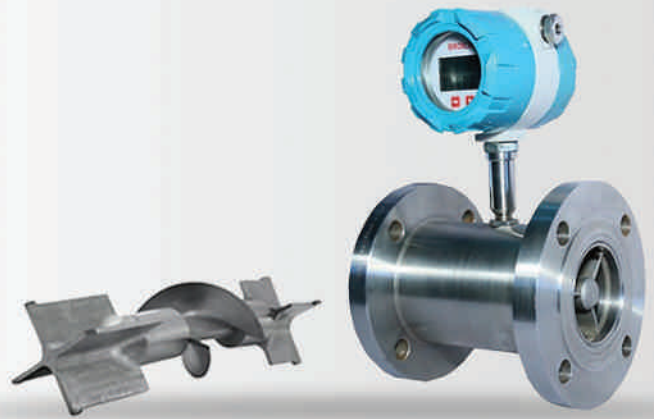
### SPECIFICATIONS

- Complete Designing, Manufacturing of panels as perspecifications
- Detailed Engineering drawings for 1/0 wiring, hardware layouts etc
- Included with panels

# Avion Flow meters



**Vortex flow meter**



**Helical rotor flow sensor and meter**



**Avion Automation & Instruments**  
**Oval gear flow sensor and meter**



**Electromagnetic flow meter**



**Turbin flow sensor and meter**

# Valve and fittings



**Ball Valve**



**Valves**



**Gate/Globe & Check Valve**



**Flanges**



**Pipe & Tubes**



# Avion Control System



**Digital Loop  
Powered Indicator**



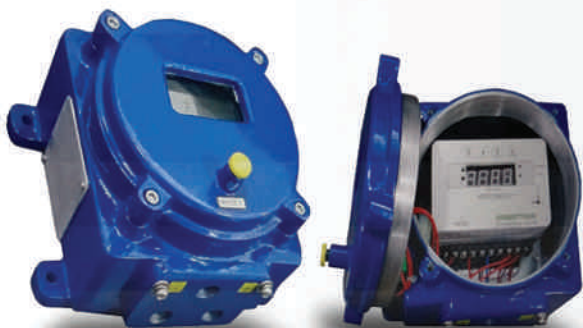
**Digital AC Voltmeter**



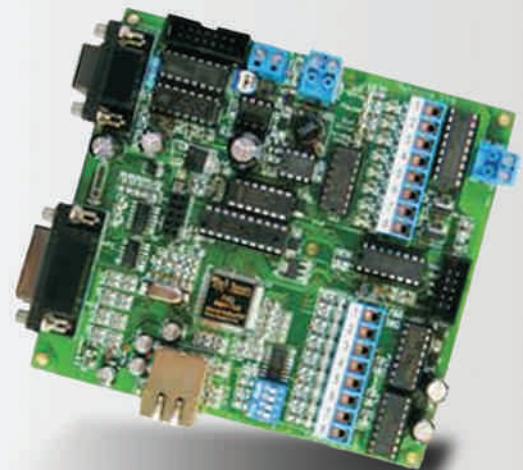
**Digital Temperature  
Gauge**



**Earthing Relay**

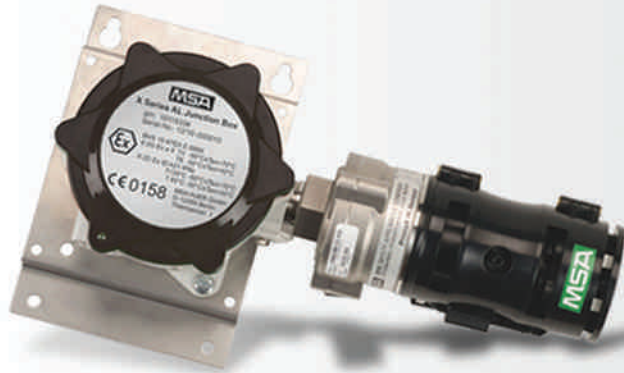


**Vibramon Controller**



**Easy PLC and  
Embedded PLC**

# MSA Gas Detection System



**MSA Prima X-IR**



**MSA Ultima X-IR**

**MSA Prima XI**



**MSA Ultra sonic EX-5**



**MSA OPIR**



**MSA Altair 5X**  
gas Detector



**Gas Controller**



**MSA Suprema Panel**



**MSA 5 MSIR FD**

# Draeger Gas Detection System



**Filling Compressor**  
Point Type Gas Detectors

**Boosting Stations**  
Point Type Gas Detectors



**Mercaptan Monitoring**  
Point Type Gas Detector

**Flame Detection**  
Flame 2350



# Draeger PPE Kit



**X-Plore 3300 – Half Mask**



**X-Plore 6000 – Full Face Mask**



**PARAT Escape Hoods**



**Saver CF & Saver PP with PESO**



**Airpack1 + PAS Colt + FPS 7000**

# Avion Industrial Gas Detector



AAI 2000n Intelligent sensor



AAI 100 sensor



AAI 204 GD with Alarm



Portable Single & Multi gas detector



Multi channel gas detecting controller



Online zirconium oxide oxygen analyzer

# Avion Domestic Gas Detector



**HD1000 Series**



**HD2000 Series**



**HD8200 Series**



**Shut-off valve**



**Smoke Alarm SD301**

## OUR CLIENTS



adani



## ASSOCIATES



MITSUBISHI

### FACTORY ADDRESS

GALA NO. 2, ADARSH NAGAR,  
CHINCHPADA, WALIV ROAD,  
VASAI EAST(E), PALGHAR - 401208.

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**SALES & SERVICES:**

**AHMEDABAD/BARMED/NOIDA/CHENNAI  
RAJHMUNDY/CHANDIGADH/BOISAR**