



An ISO 9001:2015 & 14001:2015 Certified company



THINK AUTOMATION, THINK SUSAN

- ◆ FLOW SOLUTIONS
- ◆ MEASUREMENT & ANALYZERS
- ◆ HVAC & BMS
- ◆ PLC, SCADA & AUTOMATION
- ◆ ROBOTICS, IOT & SOFTWARE
- ◆ EFMS/FOMS

✉ sales@susanautomations.com

info@susanautomations.com

☎ +91 20 6702 3203, +91 7066037953

🌐 WWW.SUSANAUTOMATIONS.COM



A message from the desk of Sales director

I would like to express my sincere gratitude to all my customers for making our journey successful. For almost 15 years, Susan Automation has transformed from national to international and has been at the forefront of industrial automation. Today, our portfolio encompasses solution from L1 to L4 Automation which includes Industry 4.0 and Robotics solutions as well.

Our Company has established a brand name in manufacturing coriolis mass flow metering solution which has been appreciated well by PSU's and private segment. Our company follows ethical business practices and is committed to social and environmental responsibility. Even as we help achieve breakthrough levels of performance, we stay focused on reducing the impact of our technology on the environment, that's why we are an ISO 9001:2015 & ISO 14001:2015 certified company.

Building on our deep industry knowledge, proven expertise, skilled people, strong implementation capability and nationwide support, we are now at an exciting stage of our corporate journey. We have a new generation of leadership at the helm, and are exploring new ventures with a more varied basket of offerings. With our pioneering passion and dynamic, youthful spirit, we continue to relentlessly pursue new-age solutions and raise the bar in our capabilities.

Thanks

A handwritten signature in blue ink, appearing to read 'Sandeep Varshney'.

Sandeep Varshney

Susan Automations, Pune, Maharashtra India, established in the year 2004, later became SUSAN AUTOMATIONS INDIA PVT. LTD. (SAIPL) in the year 2018. We are an ISO 9001:2015 & ISO 14001:2015 Certified Company.

We are manufacturer of coriolis mass flow meter, turbine flow meter and provide complete packaged solution for custody transfer application. Our joint venture for manufacturing is associated with Malaysian and Hong Kong based companies hence the quality of the product is unbeatable.

Our services and products are scalable, customisable & economical; meeting the entire international quality standards.

We provide cutting edge technology by converging IT (Business Analytics, Visual analytics etc.) & OT (Automation from level 1 to level 4). The seamless Transformation of Data from OT platform to IT gives the customer one stop solution.

SAIPL has executed many projects of Industrial automation, IoT (Internet of things), safety, surveillance, BMS, HVAC are in the list. Our work excels in areas of sales, service, application & engineering support.

The basic product comes from the main manufacturing unit from different principals we hereafter do the required engineering, programming and customisation. We are also doing export jobs for Instrumentation/Automation/Hardware products and have in house software development for overseas projects.

Keeping the ethical policy of SAIPL, we are determined to provide excellent engineering support and after sales service.

To have more interaction with our valued customers, we have our sales offices PAN India and also take full support of our principals as and when required.



Our Mission

At Susan Automation, we believe that success in a highly competitive market depends on continuous support of products supplied that meet the needs of our customers in Indian markets. Our goal is to design & suggest products that are simple to install and easy to use that give the flexibility to choose your level of investment to increase the production.



Our Vision

- ✓ Integrity
- ✓ Growth
- ✓ Sustainability



Our Values

We are striving towards a single goal to improve our customer's productivity with the best industrial automation solutions, reliability and services in India.

'SUSAN' make mass flow meters with wide range of diameter and flow rate to choose from



Model	SAIPLCG-06	SAIPLCG-15	SAIPLCG-25	SAIPLCG-40	SAIPLCG-50	SAIPLCG-80	SAIPLCG-100	SAIPLCG-150	SAIPLCG-200
Nominal Diameter (mm)	6	15	25	40	50	80	100	150	200
Max Flow Rate (kg/min)	20	50	200	500	1000	3000	4000	10000	14,300
Temp. Accuracy	±1°C ±0.5% of reading							±1°C	±1°C
Density Accuracy	±0.002g/cm ³							±0.001g/cm ³	±0.001g/cm ³
Zero Stability	12kg/h							15kg/h	15kg/h
Repeatability	0.05%							±2°C	±2°C
Operating Temperature	-30°C ~ +60°C / -40°C ~ +60°C							AISI316L	AISI316L
End connection	DN Flange OR Nut Connector On Request							DIN2635/PN40	DIN2635/PN40
COMMON SPECIFICATIONS									
Liquid Accuracy	±0.1%, ±0.15%, ±0.2%, ±0.5%								
MWP	4MPa								
Operating Voltage	85~265VAC / DC12~24V								
Ingress protection	IP65/IP67								
Fluid Temperature	-200 ~ +200°C								
Vibrating tube	Stainless steel 316L								
Output	RS485, Pulse, 4-20mA & HART (SAIPLCG-150 provides 0-10KHz Output signal)								
Ex-Mark	Ex 2G Ex db C T6... T1 Gb								
Warranty	1 Year								
Certificate	CE, ATEX								



Model	Transmitter F231
Operating temperature	-30°C ~ +60°C
RH	≤95%, non condensing
Atmospheric pressure	86 ~ 102kPa
Operating voltage	AC85~265V / DC12~24V
Communication port	RS485, Pulse, 4-20mA & HART
Ex-Mark	Ex 2G Ex db C T6... T1 Gb



Magnetic Flow Meter

Range: 15mm to 2600mm,
Accuracy: $\pm 0.2\%$
Temperature: up to 180°C
Power supply: 230 VAC/ 24VDC /
 Battery operated
Output: 4-20mA/RS485/HART/
 GSM/GPRS
Application: Water, Waste water,
 Chemicals, Industrial waste etc.



Swirl Meter

Line size: 15mm to 400mm
Accuracy: $\pm 0.5\%$ of flow rate
Temperature: -55 to 280°C
Power supply: 230 V AC/ 24V DC
Output: 4-20mA/HART/Modbus
Application: Gas, Steam, Liquid,
 Waste water, Chemicals



Oval Gear Meter

Line size: 10mm to 200mm
Accuracy: $\pm 0.5\%$ of flow rate
Temperature: up to 200°C
Type: Mechanical/PD Meter
Output: 4-20mA/Pulse
Application: HFO, Acid, Alkali,
 Salt, Organic solutions, Heated oil



Turbine Flow Meter

Range: 15mm to 250mm
MOC: SS304 S304L/SS316/
 SS316L
Accuracy: $\pm 1\%$, $\pm 0.5\%$
Power supply: 230 V AC/ 24V DC
Output: 4-20mA/HART
Application: Furnace oil/Diesel/
 HFO/Fuel oil/Chemical/Water



Vortex Flow Meter

Range: 15mm to 300mm
Accuracy: $\pm 0.65\%$ (Liquid), $\pm 0.9\%$
 (Gas)
Temperature: -55 to 280°C
Power supply: 24V DC
Output: 4-20mA/HART/Modbus/RTU
Application: Water, Waste water,
 Chemicals, Gases, Liquid, steam



Ultrasonic Handheld/ Clamp on/Insertion

Range: 20mm to 6000mm
Accuracy: $\pm 1\%$
Temperature: 7 to 85°C
Power supply: Battery /230 V AC
Output: Data Logger/RS232
Application: Water, Waste water,
 Oil, Milk, etc.



Pressure Transmitter
Range: 1.1 KPa – 700 bar
Accuracy: $\pm 0.075\%$
Process connection: 1/2" – 14 NPT
Power supply: 230 V AC/ 24V DC
Output: 4-20mA
Application: Liquid, Steam, Gas



D. P. Transmitter
Range: -10 bar to +10 bar
Accuracy: $\pm 0.04\%$
Temperature: -40 to 85°C
Power supply: 230 V AC/ 24V DC
Output: 4-20mA/HART
Application: Liquid, Steam, Gas



Temperature Transmitter
Range: up to 2000°C
Accuracy: $\pm 2\%$
Process connection: 1/2" BSP, 1/4" NPT, Button Type
Power supply: 230 V AC/ 24V DC
Output: 4-20mA
Application: Liquid, Steam, Gas



Contactless Radar

Range: 0-100 meters
Precision: $\pm 3\text{mm}$ to 10mm
Temperature: -40 to 100°C
Power supply: 24VDC
Output: 4-20mA/RS485
Application: Solid/Liquid/Gas
 (Type: Cone/ Parabolic/ Horn)

Guided wave Radar

Range: 0-60 meters
Precision: $\pm 2\text{mm}$
Temperature: -40 to 204°C
Power supply: 24VDC
Output: 4-20mA/RS485
Application: Solid/Liquid

Ultrasonic Level

Range: 0-15 meters
Precision: $\pm 2\text{mm}$
Temperature: -40 to 400°C
Power supply: 24VDC/ 230VAC
Output: 4-20mA/RS485
Application: Solid/Liquid

Laser-Level

Range: 0.5-200 meters
Precision: $\pm 20\text{mm}$
Temperature: -40 to 400°C
Power supply: 24VDC/ 230VAC
Output: 4-20mA/RS485
Application: Solid/ Liquid/ Bulk Powder/ Dry material



STP Analyzer

Measuring Parameters: COD, BOD, TSS, DOC, TOC, pH, Turbidity etc.

Operating Voltage: AC 270V, 30W

Working Temperature: 5°C - 45°C

Probe Length: -10m

Communication: RS232, RS485, HART, 4-20mA



CAAQMS

Measuring Parameters: H₂S, CO, CO₂, HCL, SO_x, NH₂, NO_x, NH₂, Dust Monitor (PM-10, PM-2)

Operating Voltage: 230V AC

Working Temperature: 20°C - +50°C

Communication: GPRS/WIFI

Humidity: 0-100% RH



Zirconia Oxygen Gas Analyzer

Measuring Range: PPB-20.9% V/V

Accuracy: ± 0.1%,

Analog Output: 0-20mA isolated Output 600 ohm.

Digital Output: RS 232

Working Temperature: - 0°C-50°C



Opacity Dust Monitoring System

Range: 0-1000mg/N-m³

Accuracy: ± 2%

Power supply: 24VDC/ 230VAC

Output: 4-20mA/ Relay/ RS485



Combined Emission Monitoring System (CEMS)

Measuring Parameters: O₂, HCL, SO_x, NO_x, NH₂, Dust

Operating Voltage: 230V AC

Working Temperature: 0°C to 300°C

Communication: 4-20mA/ RS485

Application: Exhaust gas power plant, Cement, Glass, Ceramic factory



Automatic Weather Station (AWS)

Measurement Parameter – Wind Speed & Direction, Air pressure, Temperature, RH, Rainfall

Type – conventional

Power supply – 12 – 24VDC



Magnetic & Digital Gauges

Range: 15psi - 35psi
Media: Air/gas
Accuracy: $\pm 2\%$
Temperature: -7°C to 60°C



RH Data Loggers

Range: 0-100%RH, -40°C to 70°C
Accuracy: $\pm 2\%$ RH ± 5
Resolution: 0.1%RH, 0.1
Memory: 32,700 values
Cycle: 1 second to 24 hours
Software: 2000, XP, Vista
Additional battery and wall mounting hooks



AC/DC Drives

AC Drive(Single/three phase)

Range: 0.3hp to 200hp
Supply: 11VAC - 690VAC,

DC Drive (Single/three phase)

Range: 25A - 11000A
Supply: 24VDC - 480VDC



RH and Temperature Transmitter

Measurement range: 0-100%RH
Accuracy: $\pm 2\%$ RH
Temperature: -40°C to $+60^{\circ}\text{C}$
Output: 4-20mA/ Relay/ RS485
Supply: 24VDC/ Battery operated



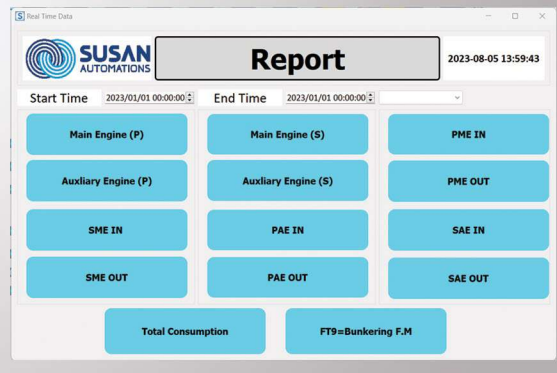
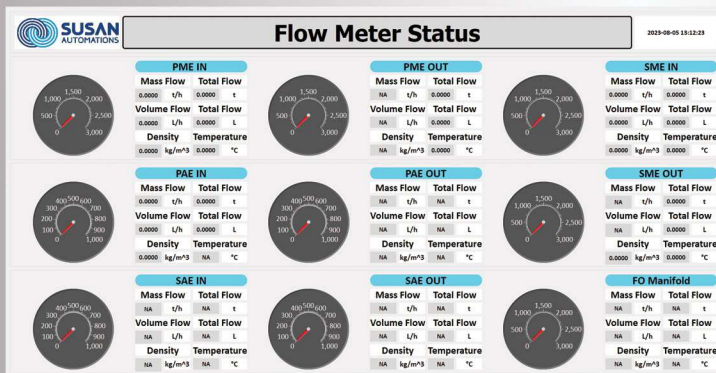
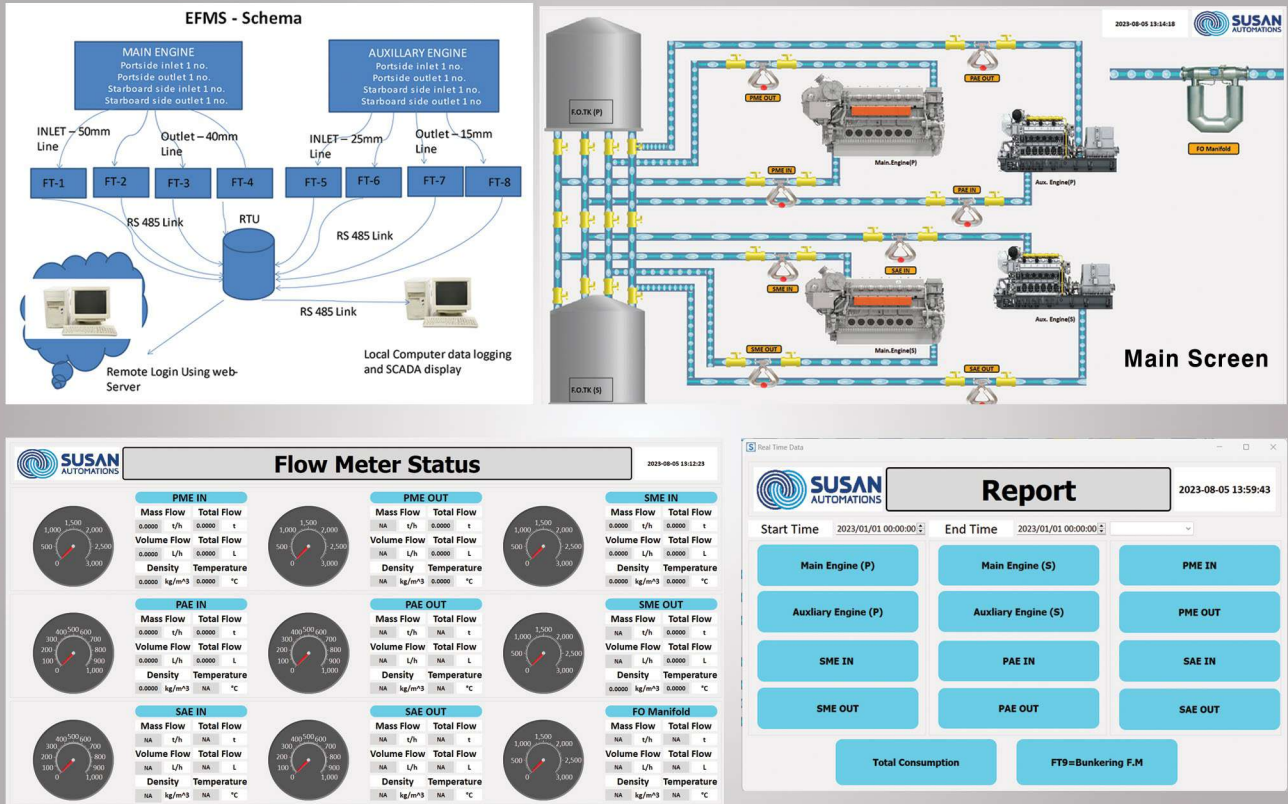
Pressure Transducer

Range: 0 psi to 10000 psi
MOC: SS/ SS316L
Media: Air/gas
Accuracy: $\pm 0.25\%$
Temperature: -40°C to $+140^{\circ}\text{C}$
Application: HVAC Controllers, Gas compressors, Hydraulic & Pneumatic system, Power plant, Pump & compressors



Air Velocity and Temperature Transmitter

Air flow: 0-40 m/s
Accuracy: $\pm 2\%$
Supply: 24VDC
Output: 4-20mA/ 0-10V



EFMS - Electronic Fuel Oil Monitoring System

Fuel costs is the most expensive factor in operating a vessel, accounting for up to 68% of total ship operating costs. Hence, ship owners, managers and charterers always want to optimize on the fuel costs. This requires an accurate and reliable data on real time fuel consumption and balance stock. It is important to know vessel activities consuming highest amount of fuel to be able to save it.

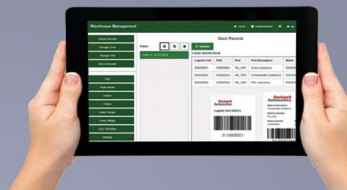
Our Integrated approach provides a solution in one go, customers need not waste time integrating pieces of multiple softwares or hardware. Our innovative solution utilises the approach of Sense, Aquire, Monitor & Control, encompassing all the latest technology of industry 4.0 and IIOT (Industrial Internet of things). This being the SCADA platform with unlimited soft tags has the ability to customise any genre of analytics, visualisation and logging.

Many reputed customers who have adopted our system for ONGC chartering are, Greatship India Limited, Alphard Meritime - Dubai, Haduco – Vietnam , Dulam International-Dubai, KVR offshore, Sadav Shipping, Priya Blue, etc.

L4

Manufacturing Execution System

Production planning based on order data from ERP/SAP, manufacturing schedule, equipment availability, downtimes, order status



L3

Plant monitoring & control

SCADA systems, OPC servers, OE, events and alarms. Report generation

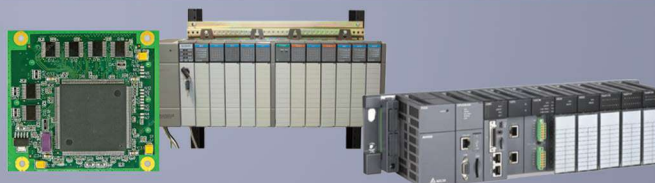
DCS for production control systems



L2

Machines controls

PLCs of customer's choice to automate machine operations, interface to L2, custom automation



L1

Field instrumentation, sensors

Field instrument interface, sensor networks, custom sensor data interface board development



Services for Level 1 to 4

SAIPL provides integrated & segregated solution from level 1 to level 4 automation. Solutions include capturing real time data and pushing to the layers above for data/visual analysis. This encompasses solutions related to Micro PLC to advance DCS (Distributed control System) & SCADA (Supervisory Control & Data Acquisition). SAIPL provides solutions on stand alone basis using any PLC, DCS, SCADA and their integration too.

Our main attributes are,

- DCS
- SCADA
- PLC
- Ladder Logic, Flow Charting, Block Diagram
- Visual Enhanced Analysis
- MES
- RTU programming
- OEE (Operation Equipment Efficiency) calculations.



Robotics

SAIPL provide AI services based robotic arms for machining, Picking and fixing application. Robots are integrated on the visual platforms for ease of use and better view.

IoT (Internet of things)

SAIPL provides IoT design and development services using Industrial Raspberry/Edison boards or custom controller based boards that enable visualising and aggregating the data from sensors and instruments. SAIPL provides IoT server page design services to stream live sensor data over internet in graphical form for better consumption and usefulness.

Software

SAIPL provides range of software applications for sensor data visualization, web based portals for IoT dashboard. MES packages from industry leaders, custom software for plant control and embedded software for automation can also be provided.

Custody Transfer for ONGC



Mass flow meter integration, Batch control & Report printing for ABS Marine, Dulam, HADUCO, Triton Maritime, Greatship India Ltd., Allianz Marine, Sadhav shipping Ltd, First Oil & Gas, Raj Shipping and Hoger.

Online SCADA & Vigilance of Dredgers across various geographies



Designing Corporation of India Limited
 Design Project:
 Part No:
 Manufacturer: PMA-00005
 APPROVA
 Vendor account: V0188
 S/N: SUSAN AUTOMATIONS
 JGDAMBER COMPLEX INT MARG,
 BHOJNE
 INDIA
 E-mail: susan@susanautomations.com

Address of consignee: HOOD
 Description part: VIGILANCE/SCADA
 Payment terms: ... WITH IN 30 DAYS
 Terms of price: ... 2% DISCOUNT FOR PAYMENT WITH IN 15 DAYS
 Material: ... 18.18 BSN UNRECORDED
 Year of issue: ...
 Part no. - Position No. - Drawing No. -

Telephone: 0091-661-252350
 Fax: 0091-661-250661

Purchase order(SPARES INDIENGENIOUS)
 No. of pages: 1
 No. of sheets: 1
 PO Date: 15-06-2017
 PO No: P0188151
 PO Item: 21-05-2017
 PO No: P0188151
 PO Date: 06-06-2017

Company:
 JGDAMBER COMPLEX OF INDIA
 LIMITED
 CENTRAL STORES COMPLEX,
 PORT AREA,
 WADAMBATNAM - 530 05,
 INDIA
 Phone No: 2873392363
 Fax No: 2873392363
 Tm Number: 377029126

We are pleased to place our purchase order on you for supply of items mentioned below in the form and conditions of the PO is attached.

S.No	Item number	Description	Quantity	Unit	Unit price	Disc %	Amount
1	728801000	MAGNETIC FLOW SENSOR: MODEL: ODFLEX 600, METAL SIZE: 80MM, SS304 WITH REF CLASS PROTECTION & SIGNAL CONVERTER- MODEL: FC 100	1	NO			
2	728801000	MAGNETIC FLOW SENSOR: MODEL: ODFLEX 600, METAL SIZE: 80MM, SS304 WITH REF CLASS PROTECTION & SIGNAL CONVERTER- MODEL: FC 100	1	NO			

Supply, Installation, Testing and Commissioning of online fuel monitoring system onboard for dredgers DCI DR- XII, DR-XIV, DR-XVII & DR-XVIII and provides online connectivity to DCIL head office, Visakhapatnam.

Sugar Plant Automation/Ethanol-Distillery Instrumentation



Piyush Sugar And Power Pvt. Ltd.
 IYUSH
 SUGAR & POWER

PURCHASE ORDER

Address: 11/1, Block, MOJ, Bhadrachalam, District, AP-501202

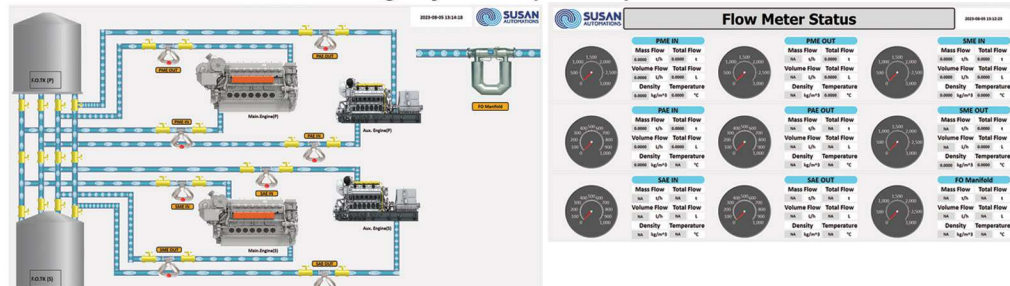
MOJ ENGINEERING SYSTEMS LTD.
 Office Address: 11/1, Block, MOJ, Bhadrachalam, District, AP-501202

Particulars:

Sl. No.	Particulars	QTY	UNIT	AMOUNT
1
2

Erection/Installation/Commissioning of System for measuring Raw Juice/Molasses A,B,C/Ethanol/Production using Susan make Coriolis Mass flowmeter/Magnetic flow meter.

Electronic Fuel Monitoring System (EFMS)



Greatship (India) Limited
 Purchase Order No. 2100077200

Particulars:

Sl. No.	Particulars	QTY	UNIT	AMOUNT
1
2

SAIPL make, SCADA utilises to monitor, Audit trail, Historian services for EFMS (Electronic Fuel Monitoring System) on vessels chartered with ONGC.

PSU and Government sector



Private sector



The Aska CO-OP. Sugar Industries Ltd.



SEVEN ISLANDS SHIPPING LIMITED



JK PAPER LTD.
Unit - JK Paper Mills, Jaykoppur, Distt. Raygada, Orissa 753017.

Date: 24/05/2018

TO WHOM SO EVER IT MAY CONCERN

This is to declare that 'Integrated Vigilance and Access System' for JK Paper plant at Raygada Orissa was successfully commissioned.

The planning and execution was excellent, we are satisfied with the service and support Provided by SUSAN AUTOMATION's Team.

We wish them good luck for their next project.

Thanking you
Yours faithfully
For JK PAPER LTD
(Authorized Signatory)
(Balveer Mishra - Manager, Instrumentation)

Admn. Office: Ph: 91-11-23311112-5, Fax: 91-11-23712680, Cable Jekpaper, Website: www.jkpaper.com
Regd. Office: P.O. Central Pulp Mills, Fort Songadh, Distt. Surat (Guj.)-394660, Ph: 91-2624-221228/221278-80, Fax: 91-2624-221138, Cable: Cenpulp, E-Mail: cpm@cpmjk.com

HOGER
OFFSHORE AND MARINE PVT. LTD.

Office No. 1102, Hinduram Park, Sector 1, Tarikh, Dinkri Market, Maharashtra, India - 401090
Email: info@hogerindia.com
Tel/Fax: 91 22 27700777
Unit No. 1001, 1002, 1003

TO WHOM SO EVER IT MAY CONCERN

To,
SUSAN AUTOMATIONS INDIA PVT LTD
OFFICE NO: 37, ADITYA SAGUN MALL
PASHAN MAIN ROAD, PUNE - MH
PINCODE - 411021

This is to certify that "SUSAN" make Coriolis based mass flowmeter supplied by you for custody transfer application of ONGC has been successfully installed and is working fine.

We appreciate effort and quality of service extended toward our organisation.

We are satisfied with the performance of the sales and service toward the supplied material

This letter has to be used only as a token of appreciation and does not imply any legal bounding's.

Wish them a Good Luck for future business.

Rakesh Ranjan
Director-Technical

IMCA MEMBER BIMCO MEMBER

SADHAV
Sadhav Shipping Ltd.
Since 1992

TO WHOM SO EVER IT MAY CONCERN

To,
SUSAN AUTOMATIONS INDIA PVT LTD
OFFICE NO: 37, ADITYA SAGUN MALL
PASHAN MAIN ROAD, PUNE - MH
PINCODE :411021

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We are satisfied with the performance of the sales and service toward the supplied material

This letter has to be used only as a token of appreciation and does not imply any legal bounding's.

Wish them a Good Luck for future business.

Thanking you,
Yours faithfully,
For Sadhav Shipping Ltd.
Authorized Signatory

Corporate Office
© 618, Laxmi Plaza, New Link Road, Andheri (W), Mumbai 400053
© +91 22 4000 33 55
© +91 22 4000 33 66

Registered Office
© 501, Loka Bhawan, P'D Mello Rd, Masjid (E), Mumbai 400007
© +91 22 2348 25 04
© +91 22 2348 25 26

TW Ship Management
PVT LTD

Date: 27/02/2023

To,
Susan Automations India Pvt Ltd
37, Aditya Sagun Mall
Pashan main road,
Pune - MH
411021

Sub: Satisfactory working of Flow meters

We thanks you for your valued Service Provided to our company and need to intimate that the Oval gear Flow meter, Vortex Flow meter, Electromagnetic Flow meter have been deployed, configured and installed correctly on 30/10/2021.

All the flow meters (OGF, VFM, EMP) are working up to the mark and found satisfactory.

We are satisfied with the level of support you have provided to our company and intend to have long term relation in future.

Remark: This letter is being produced on the request of the vendor to be used for reference purposes

Regards,
GM - Technical

© 2024-2025, Level 3, Tower B, Gateway Global Centre, 8th Floor, 10, Sector - 43, Nerul, Near Hotel Mumbai 400 705, Tel: +91 22 4481 2000, Fax: +91 22 4481 0333, EMail: info@twshipmanagement.com
Regd. Office: Gateway Global Centre, 8th Floor, 10, Sector - 43, Nerul, Near Hotel Mumbai 400 705, Tel: +91 22 4481 2000, Fax: +91 22 4481 0333, EMail: info@twshipmanagement.com



Pune (Head office)

Office 30, Aditya Sagun Mall,
NDA-Pashan Road, Bavdhan,
Pune - 411021
Phone - +91 7020973657

Mumbai

602, Suncity Srushti CHS,
Plot No 69/1, Sector - 27,
Nerul, Navi Mumbai (MH)

Indore

305, Sameer Complex,
27/29 RNT Marg,
Indore, (M.P.)

Pithampur (Works)

MHOW - Neemuch Road,
Sector-1, Dist- Dhar (MP),
Pithampur - 454775
+91 7292 2591076

Noida

14 JPIA, Sector - 128,
Noida - UP

Vizag

Plot No. 208,
SVLN Paradise-3
Sujata Nagar, Vizag (A.P)
Phone - +918208523688

London

51 Francis Road,
Hounslow West
London (UK),
Zip - TW4 7JU

Middle East Office

Company Registration: 1353566
PC: 115, PO Box: 244
Matrah, Muscat Governate
Sultanate of Oman
Contact: Mr.Safdar Ali
Tel: 00968 9241 6339

Susan Automations India Pvt. Ltd.

Phone:

+91-7066037953
+91 20 6702 3203

Email:

sales@susanautomations.com
info@susanautomations.com

Website:

www.susanautomations.com

