YOUR PARTNER IN PRECISION
A LEGACY OF INNOVATION
A LEGACY OF INNOVATION

THE CENTENA GROUP

The Centena Group has over 3 decades of business expertise in the field of innovation and technology. It is one of the front runners in the field of maritime, industrial automation, life & analytical science applications, identification and security and educational training systems.

Vision: To be a business that keeps evolving to keep abreast of the current market trends, identifies business opportunities and innovates to consistently meet the changing client needs.

Mission: We aim to be at the forefront of innovation and meet client needs through the application of cutting-edge technologies and build trust by providing the finest solutions. It is these qualities that have helped the Centena Group feature in Dubai’s SME 100 list and be ranked among the Top 10 companies for Human Capital Development and Corporate Governance.

THE CENTENA GROUP OPERATES IN THE FOLLOWING VERTICALS:

Industrial automation:
• Emphor Industrial Automation

Marine electronics engineering:
• Maritronics
• Tensosys
• Emphor Marine

Life & analytical sciences:
• Emphor LAS

Identification and security:
• ScreenCheck
• Auto ID

Educational training systems:
• Atlab
• Eminence
PASSIONATE ABOUT PRECISION
EMPHOR INDUSTRIAL AUTOMATION

Belonging to a parent group that has consistently delivered revolutionary technologies to simplify lives, Emphor IAD is founded on the principles of innovation and problem solving. We have a proven track record of delivering high quality results that is backed with references and technical expertise. Our products and services are designed to provide accurate results and prevent safety hazards to the plants, the employees and the environment. We even go the extra mile to be a hands-on automation partner by providing a gamut of after sales maintenance services.

We produce advanced technologies that measure the volume of flare gas and help our clients achieve optimization at their plants as well as adhere to the environmental regulations. Our client roster for flare gas measurement equipment includes offshore production platforms, gas processing plants, refineries and petrochemicals.

With the ever increasing requirement for monitoring remote sites and processes, the use of appropriate field instrumentation in the industry has increased manifold. We pool in our best resources to formulate field instrumentation solutions that measure parameters on remote sites like pressure, temperature, flow and level, and transfer the measured signals to distant control centers for monitoring and control.

Being the ideal end-to-end service provider, we even offer installation supervision, startup, commissioning and training services on in-house product lines, making us the most trusted instrumentation partner.

PRIMARILY, WE OFFER THE FOLLOWING KEY SOLUTIONS:

- Pipeline flow measurement
- Flare metering
- Process and emission monitoring
- Field instrumentation
BRINGING YOU THE BEST IN AUTOMATION
PRODUCTS
We offer a wide range of customized products that are sourced from various parts of the world. Manufactured in keeping with the highest European standards, each of our products addresses a unique automation need.

Spriano Technologies, Italy
- Smart Electronics Transmitters
- Pneumatic Transmitters

Faure Herman
- Helical Turbine Flowmeters
- Ultrasonic Flowmeters

SICK, Germany:
- Ultrasonic gas flowmeters (multi-path) for custody transfer applications, process, and check and flare metering applications.
- Online gas analyzers and dust monitors for continuous emission monitoring systems (CEMS) and process applications with cabinets and shelters that are explosion proof

TM Tecnomatic, Italy:
- Primary flow elements — orifice plates / assemblies, venturi tubes / meters, pitot tubes, annubar's
- Temperature elements - thermocouple, RTD, thermowells

LdeTek
- Gas Chromatograph
- Online gas Analyzer

MBA Instruments GmbH, Germany:
- Electromechanical level indicators for bulk materials, conductivity meters etc.

Alpha Moisture Systems, UK:
- Moisture measurement systems from Alpha Moisture - UK

IMR, Germany:
- Portable flue gas analyzers

Southland Sensing
- Oxygen Gas analyzers
- Electrochemical Sensor

IMR - USA
- Portable Flue Gas Analyzer
- Process Hydrogen gas analyzer
GOING BEYOND SALES
GOING BEYOND SALES

SERVICES
We believe in delivering superior quality products and services and forming a long term alliance with our clients. In order to be to be with our clients every step of the way, we offer a range of comprehensive after sales and maintenance services.

OUR KEY ACCOUNT REFERENCES IN THE UAE ARE:
We offer annual maintenance services which includes preventative and corrective maintenance activities at scheduled/planned intervals. Our key activities include:

- Dubai Gas Supply Authority (DUSUP)
We have a long maintenance contract with DUSUP to ensure the smooth functioning of their FLOWSC600 ultrasonic custody meters and OMNI Flow Computers since 2 years. We also provide them with 24/7 site assistance with a response time of not more than 4 hours. This contract also includes mutually agreed schedules in a year to conduct performance verification of the instruments.

- Fujairah Asia Power Company (FAPCO)
This 4 year old annual maintenance contract ensures the proper functioning of the SICK MCS 100E CD analyzers at their power plant. We conduct 4 schedules in a year to carry out different preventive maintenance activities.

OUR MOST IMPORTANT INSTALLATIONS ARE:
We also undertake supervision of installation activities as per OEM recommendations and ensure proper installation of the analyzers and ultrasonic flow meters. Especially in the case of ultrasonic flare meters, the proper installation of the nozzles with recommended angles is critical and our team helps avoid incorrect installation. Our key activities include:

- Installation supervision of SICK FS 100 ultrasonic flare meters at McDermott Jebel Ali premises for Saudi Aramco Karan Gas field
- Installation supervision of the SICK dust monitors DH100 SB at Emirates Cement Company at Al Ain
GOING BEYOND SALES
GOING BEYOND SALES

STARTUP AND COMMISSIONING
Our manufacturer trained and experienced team also carries out on-site activities during startup and commissioning. The team is capable of providing support during SAT activities and detailed reports are submitted post completion along with the backup files. Our key clients include:
- Commissioning activities of flow meters at El Merk central processing facility plant in Algeria through Petrofac
- Commissioning activities of the dust monitors and flare meters at Qatar Steel through Siemens
- Commissioning activities of the extractive gas analyzers at Al Ain cement company
- Commissioning activities of the flow meters in Saudi Arabian oil company – Manifa’s gas facilities through G S Engineering & Construction

TROUBLESHOOTING AND MAINTENANCE
Our factory trained service personnel provide troubleshooting and corrective maintenance assistance on site. We survey the required spare parts and ensure the proper operation of the instruments. Our key activities include:
- Troubleshooting of the flow meters at Maersk Oil Qatar platforms
- Troubleshooting activities of the continuous emissions monitoring systems (CEMS) gas analyzers at Qatar Shell
- Troubleshooting activities of custody meters in the Bahrain Petroleum Company (BAPCO)

PERFORMANCE VERIFICATION SERVICES
We provide performance verification services for SICK ultrasonic flow meters, analyzers, dust monitors and OMNI Flow Computers. Post completion of the site service activity, appropriate reports are generated and provided. Our key activities include:
- Performance verification of the ultrasonic flow meters at RasGas Company Ltd, Qatar
- Performance verification of the flowmeters at floating storage and regasification unit (FSRU), Dubai

ON SITE AND CLASSROOM TRAINING
In an effort to be a complete automation partner, we also provide onsite and classroom training on the different products supplied. Our key activities include:
- Service training on ultrasonic flow meters at RasGas Company Ltd
- Basic training on dust monitors at Emirates Cement
- Demonstration of moisture analyzer at Sharjah Oxygen Company

SITE INSPECTION AND SURVEY SERVICES
We conduct site inspection and surveys as a part of our presales support. We survey the stock of spare parts and provide our recommendations which help customers with the proper stocking and inventory management of critical spares.
REDEFINING PRECISION

APPLICATIONS

FLOW MEASUREMENT FOR PIPELINES

Every day, natural gas flows in great quantities through pipelines. Precise gas quantity measurement is of the utmost importance, as even very small measurement errors could result in substantial economic loss. A stable gas meter is not affected by adverse measuring conditions, such as background noise in the pipeline. Our flow measurement applications are designed for the following plants:

- Floating storage & regasification unit (FSRU)
- Gas processing plants
- Refinery

FLARE METERING-MEASUREMENT OF FLARE GAS VOLUME

Flare gas is widely used in industries like oil and gas production, refining, and chemical processing. Through this system, the plants are able to achieve high optimisation levels and protect the environment. Flare gas measurement is required to ensure the proper functioning of the system as well as to meet environmental regulations. Our applications cater to:

- Onshore / offshore production
- Crude / gas processing
- Refineries & petrochemical

PROCESS AND EMISSION MONITORING - USING GAS ANALYZERS

Emission monitoring in heavy industries is important for process optimization as well as comply with the environmental regulations prescribed by the government. We have a wide range of sophisticated analyzers for monitoring and controlling gas emission levels. Using these applications, we service the following industries:

- Cement plants
- Power plants
- Fertilizer industries

FIELD INSTRUMENTATION SOLUTIONS

Within the industrial automation sphere, it is critical to maintain various process parameters like pressure, temperature, flow and level at the appropriate levels. Our solutions track these critical variables and sends accurate signals to the control room in case of any emergency or level dropping. We supply our field instrumentation solutions to the following industries:

- All process industries
- Food, pharma, paper industry
- Oil and gas-refinery
- Petrochemical industry
OPTIMISING PLANTS ACROSS INDUSTRIES

INDUSTRY FOCUS
Through our efficient, cost effective and technologically sound products and services, we help optimise factories across a wide array of industries.

- Oil & gas on-shore & off-shore production facilities
- Floating production storage and offloading (FPSO)
- Oil & gas production platforms
- Floating storage and regasification unit (FSRU)
- Liquefied natural gas (LNG) & gas to liquids (GTL) processing, storage & distribution
- Gas processing facilities
- Petrochemical & refineries
- Pipeline for oil & gas transportation & distribution
- Chemicals & fertilizers
- Metallurgy (iron & steel, aluminium and others)
- Power generation
- Cement & pharmaceuticals
FROM DUBAI TO THE WORLD
FROM DUBAI TO THE WORLD

MARKET PRESENCE
We’re headquartered in Dubai, UAE. From this office, we cater to Dubai, the Northern Emirates as well as other export markets. Our office in Abu Dhabi services the Abu Dhabi markets whereas our branch in Qatar caters to the Qatar market. We also service various EPC contractors, engineering consultants and resellers.
REPRESENTING THE FINEST
PRINCIPALS
In our effort to deliver only the best to our clients, we provide the products and services of some of the most trusted industrial automation brands in the world.
THOSE WE LOVE TO PLEASE
Those we love to please

Clients

As a rule, we see our clients as more than the end consumer of our products and services. We see them as our partners and so we make every effort to handhold them every step of the way.
MASTERS OF AUTOMATION

Process Automation
Instrumentation & Control
System Integration
Installation Supervision
Training