



**AVANCEON**  
Tomorrow's solutions, today.

Avanceon  
**Oil & Gas**

---





## Your Global Partner

Recognized among the Top System Integrators worldwide, Avanceon is a leading provider of integrated automation solutions with the experience of managing complex Oil and Gas industry challenges.

At Avanceon, we are dedicated to help our clients reach optimal productivity through state-of-the-art automation systems and cutting-edge technology.

Our value driven approach and strict compliance with the highest standards of competence and efficiency has earned us the profound trust of our clients. We seek to continue developing and nurturing valuable relationships with our clients by providing them expertise and sustainable strategies.

Our dynamic and customer centric workforce aspires to always stay one step ahead and provide our clients

**Tomorrows Solutions, Today.**



CANDOR



AGILITY



CREATIVITY



QUALITY



TEAMWORK



INTEGRITY

## Seamless Execution

For all plant operations, automation and control are critical areas especially in industries where requirements for safety and reliability are necessary. Over the past three decades, Avanceon's solutions have helped key Oil & Gas players improve their production processes, downtime and profitability in line with their KPIs.

Avanceon partners with multiple vendors to provide customers with best in class solutions. We have developed key partnerships with the top software and hardware OEMs.

30<sup>+</sup>

CONTINUOUS YEARS OF EXPERIENCE WITHIN THE OIL & GAS INDUSTRY

14

COUNTRIES WITH PROJECTS FOOTPRINT

300<sup>+</sup>

SUCCESSFUL PROJECTS

70<sup>+</sup>

KEY OIL & GAS CLIENTS SERVED WORLDWIDE





# OUR PRODUCTS & SOLUTIONS

---



# UPSTREAM

Control and Automation  
Solutions for Upstream Assets





## OFFSHORE

### SOLUTIONS FOR OFFSHORE ASSETS

In today's world energy supply, an increasing portion of oil and gas production is coming from offshore assets.

Offshore production platforms that bring hydrocarbons to the surface are some of the most complex engineering infrastructures in the world. Multiple concerns ranging from political and environmental impacts to hazardous work locations and complexities in control & automation system integration pose major challenges for offshore Oil & Gas end users in their decision making.

With more than 30 years of experience in Oil & Gas automation industry, Avanceon is well positioned to help its customer in making reliable decisions for their projects.

Our team of multi-disciplinary, highly knowledgeable and certified engineers makes sure that all projects are delivered in timely and cost-effective manner with strict adherence to safety, quality and regulatory standards throughout the project lifecycle. Avanceon's offshore solutions portfolio covers:

1. [Drilling Rigs and Ships](#)
2. [Topside Production Platforms](#)
3. [Oil and Gas Processing Facilities](#)
4. [Subsea Master Control Stations and Systems](#)
5. [Floating Production Storage & Offloading \(FPSO\)](#)
6. [Floating Storage and Offloading \(FSO\)](#)

### Selected PRODUCTS & SOLUTIONS

1. Distributed Control Systems (DCS)
2. Process Control Systems (PCS)
3. Emergency Shutdown Systems (ESD)
4. Fire & Gas Systems (F&G)
5. Safety Instrumented Systems (SIS) – SIL II and III compliant
6. Supervisory Control and Data Acquisition System (SCADA) for Wellheads and Plants
7. Wellhead Control Panels (WHCP) – Hydraulic and Pneumatic
8. Remote Terminal Units (RTUs) for Wellheads
9. Solar panel package for Wellhead Control Panels
10. Turbomachinery Control system (TMC)
11. CCTV and Anti intrusion System
12. Plant Information Management System (PIMS)
13. Business KPI Dashboards/Visualization & ERP Connectivity
14. Alarm Management System (AMS)
15. Control Loop Tuning & Optimization
16. Power Management System (PMS)
17. Flow Metering and Custody Transfer Solutions
18. Turnkey EPC Services for Electrical and Instrumentation Works
19. After Market Services and Support



# ONSHORE

## SOLUTIONS FOR ONSHORE ASSETS

With the recent advancements in technology, industries around the world are experiencing enormous impacts in the ways their plants' processes, operations and other business activities are carried out. The Onshore Oil and Gas industry isn't any different.

Faced by the challenges such as depleting conventional O&G reserves, increasing energy demand, developing new fields in hard to access remote areas and sustaining production from depleting assets; the importance of utilizing innovative ways and sophisticated technologies to find and produce tomorrow's hydrocarbons is becoming increasingly important for Onshore E&P companies.

With more than 30 years of experience in Oil & Gas automation

industry, Avanceon's diversified portfolio of automation and control solutions covers all stages of onshore production i.e. from wellhead to export.

Our team of multi-disciplinary, highly knowledgeable and certified engineers makes sure that all projects are delivered in timely and cost-effective manner with strict adherence to safety, quality and regulatory standards throughout the project lifecycle. Avanceon's onshore solutions portfolio covers

1. On land Drilling Rigs
2. Oilfield Production Facilities
3. Gas Processing Facilities
4. Early Production & Well Test Facilities
5. Water Treatment and Storage Facilities



## Selected PRODUCTS & SOLUTIONS

1. Distributed Control Systems (DCS)
2. Process Control Systems (PCS)
3. Emergency Shutdown Systems (ESD)
4. Fire & Gas Systems (F&G)
5. Safety Instrumented Systems (SIS) – SIL II and III compliant
6. Supervisory Control and Data Acquisition System (SCADA) for Wellheads and Plants
7. Wellhead Control Panels (WHCP) – Hydraulic and Pneumatic
8. Remote Terminal Units (RTUs) for Wellheads
9. Solar panel package for Wellhead Control Panels
10. Turbomachinery Control system (TMC)
11. CCTV and Anti intrusion System
12. Plant Information Management System (PIMS)
13. Business KPI Dashboards/Visualization & ERP Connectivity
14. Alarm Management System (AMS)
15. Control Loop Tuning & Optimization
16. Power Management System (PMS)
17. Burner Management System (BMS)
18. Flow Metering and Custody Transfer Solutions
19. Turnkey EPC Services for Electrical and Instrumentation Works
20. After Market Services and Support

# MIDSTREAM

Control and Automation  
Solutions for Midstream Assets



## PIPELINES & TERMINALS

### INTEGRATED & FLEXIBLE CONTROL AND AUTOMATION SOLUTIONS FOR MIDSTREAM ASSETS

From producing fields to the finished products' distribution, pipelines and terminals serve as the delivery gateways for the energy sector; providing processing, storage and transportation of crude oil, natural gas, liquefied natural gas (LNG) and other petroleum products safely, reliably and economically.

As oil and gas fields keep on getting developed, existing pipelines and terminals' infrastructure requires upgrades and new systems become a necessity for transporting added crude oil and natural gas.

At the same time, varying market conditions and demands for safe and reliable operations, strict compliance to environmental & regulatory standards and overall operational excellence make pipelines and terminals operations even more challenging. Operators are under constant pressure to lower capital

and operating costs, improve system availability & performance and reduce overall risks. Avanceon offers integrated and flexible solutions for oil, gas and refined petroleum products' pipelines and terminals. We work closely with operators to keep oil and gas flow uninterrupted from production plants to distribution points.

Our comprehensive portfolio of measurement and control products and solutions will enable operators to smartly manage their assets and optimize their transport. Avanceon's pipeline and terminals solutions portfolio covers:

01. [Gas Processing & Compression Facilities](#)
02. [Oil Pumping Stations](#)
03. [Gathering Stations](#)
04. [Valve Stations](#)
05. [Metering Stations](#)
06. [LNG Terminals](#)
07. [Storage Tanks & Terminals](#)



### Selected PRODUCTS & SOLUTIONS

1. Distributed Control Systems (DCS)
2. Process Control Systems (PCS)
3. Emergency Shutdown Systems (ESD)
4. Fire and Gas Systems (F&G)
5. Turbomachinery Control system (TMC)
6. CCTV and Anti intrusion System
7. Flow Metering and Custody Transfer Solutions
8. Supervisory Control and Data Acquisition System (SCADA) for Pipelines
9. Truck Loading Automation System (TLAS)
10. Terminal Automation System (TAS)
11. Pipeline Leak Detection System
12. Plant Information Management System (PIMS)
13. Business KPI Dashboards/Visualization & ERP Connectivity
14. Alarm Management System (AMS)
15. Control Loop Tuning & Optimization
16. After Market Services and Support
17. Turnkey EPC Services for Electrical and Instrumentation Works



# DOWNSTREAM

Control and Automation  
Solutions for Downstream Assets



## REFINERIES & PETROCHEMICALS

### INTEGRATED & FLEXIBLE CONTROL & AUTOMATION SOLUTIONS FOR REFINERIES & PETROCHEMICALS

Refinery and petrochemical industries have been facing an increasing number of challenges in recent years.

Most of these challenges are arising from complexities in chemical processes, changing characteristics of feedstock to be processed, obsolescence of plants and equipment, rising energy cost, supply and demand fluctuations, economies of scale, and an ever-increasing pressure to maximize productivity while keeping safe operations and safety a high priority.

These challenges get further amplified by the introduction of factors such as lack of skilled workforce who can run plants safely and efficiently, strict regulatory compliance requirements and limited

capital and operational expenditure budgets.

Avanceon's team of highly skilled and knowledgeable engineers and project managers understand these challenges. With the help of modern tools and technology, we design solutions that help our customer in maintaining high production levels in a safe and reliable manner.

We have helped our customers in migrating their obsolete control systems, update safety systems, and optimize processes by using advanced process control solutions.

### Selected PRODUCTS & SOLUTIONS

1. Distributed Control Systems (DCS)
2. Process Control Systems (PCS)
3. Safety Instrumented Systems (SIS) – SIL II and III compliant
4. Emergency Shutdown Systems (ESD)
5. Fire and Gas Systems (F&G)
6. Supervisory Control and Data Acquisition System (SCADA)
7. Turbomachinery Control system (TMC)
8. Flow Metering and Custody Transfer Solutions
9. Plant Information Management System (PIMS)
10. Business KPI Dashboards/Visualization & ERP Connectivity
11. Alarm Management System (AMS)
12. Control Loop Tuning & Optimization
13. Advanced Process Control Solutions (APC)
14. After Market Services and Support







## RETAIL FUEL STATION AUTOMATION

### INTEGRATED & FLEXIBLE CONTROL & AUTOMATION SOLUTIONS FOR RETAIL FUEL STATIONS

In today's highly competitive retail fuels market, businesses across the retail fuel supply chain must deal with increasingly complex processes, requiring faster and more frequent operational, distribution, pricing, asset maintenance and risk management decisions.

Working on very thin margins since very little value addition is involved at this stage, retail fuel station automation presents an opportunity to do more and monetize better. Advancements in operational technology, sensors and communication gateways/connectors are integral to most aspects of smart retail fuel station automation.

Avanceon offers one of the most comprehensive solutions for retail fuel station automation. Our industry-best integrated automation and data management solutions help our customers to successfully meet pertaining business challenges and maximize return on investment.

### Selected PRODUCTS & SOLUTIONS

1. Piping & Containment System – Single/double walled piping, sumps and fittings
2. Wet Stock Management System (WSM)
3. Submersible Pumping System
4. Variable Frequency Drives
5. Forecourt Controllers
6. Dispensers
7. Leak Detection System
  - i. Electronic Line Leak Detection (ELLD)
  - ii. Mechanical Line Leak Detection (MLLD)
  - iii. Discriminating Sensors
8. Cables and Lights



## CUSTOMER PORTFOLIO



## VENDOR EXPERIENCE







www.avanceon.ae

# AVANCEON

Tomorrow's solutions, today.

## Dubai, UAE

Headquarters Middle East and Asia  
FZS1 BD04, Jebel Ali Free Zone  
PO Box 18590, Dubai  
United Arab Emirates  
Phone: +971 4 88 60 277

## Exton, USA

Headquarters Americas  
180 Sheree Boulevard, Suite 1400  
Exton, PA 19341  
United States of America

## Lahore, Pakistan

Headquarters South East Asia  
19 Km Main Multan Road  
Lahore, Punjab 54660 Pakistan  
Phone : + 92 42 111 940 940

## Dammam, KSA

King Khalid Street, ATCO Building  
PO Box 718, Dammam 31421  
Kingdom of Saudi Arabia  
Phone: +966 138 332 339

## Karachi, Pakistan

The Hive, Second Floor,  
MA Tabba Foundation Building,  
Gizri Road, Block # 09, Clifton,  
Karachi, 75600, Sindh, Pakistan  
Phone: +92 21 111 940 940

## Doha, Qatar

Avanceon Automation & Control W.L.L  
Office No 12, Al Jaber Eng. Building Fox  
Hill, Lusail, PO Box 15976, Doha Qatar  
Phone: +974 4408 5213



/AvanceonMESA



@avanceonmea



Avanceon Middle East & South Asia



Avanceon Limited