



A'amal E&I



We grow together

ABOUT US

Started in 1994, A'amal Group is a forward-thinking and socially responsible group that aims to redefine Saudi infrastructure. True progress is at the heart of A'amal Group.

A'amal E&I provides professional engineering solutions to our customers in the Oil, Gas, Petrochemical, Power & Water industries with a strong focus on providing cost-effective services and solutions, adhering to high-quality industrial standards, in full compliance with HSE.



A MESSAGE FROM OUR CEO



“A'amal Group is a dynamic, transparent, and socially responsible group committed to walking the extra mile to fuel the regional economy and improve lives through our various business activities.”

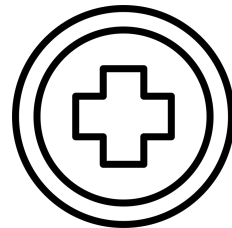
- Yassin Al Suroor

President & CEO A'amal Group

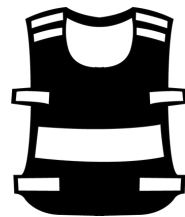


OUR VALUES

A'amal E&I aims to provide extensive support to the Kingdom of Saudi Arabia through quality work. Along with Electrical and Instrumentation, our partnership focuses significantly on the health and safety of our employees. Our core values are the health and safety of our employees and protecting our planet.



Health



Safety



**Environmental
Sustainability**

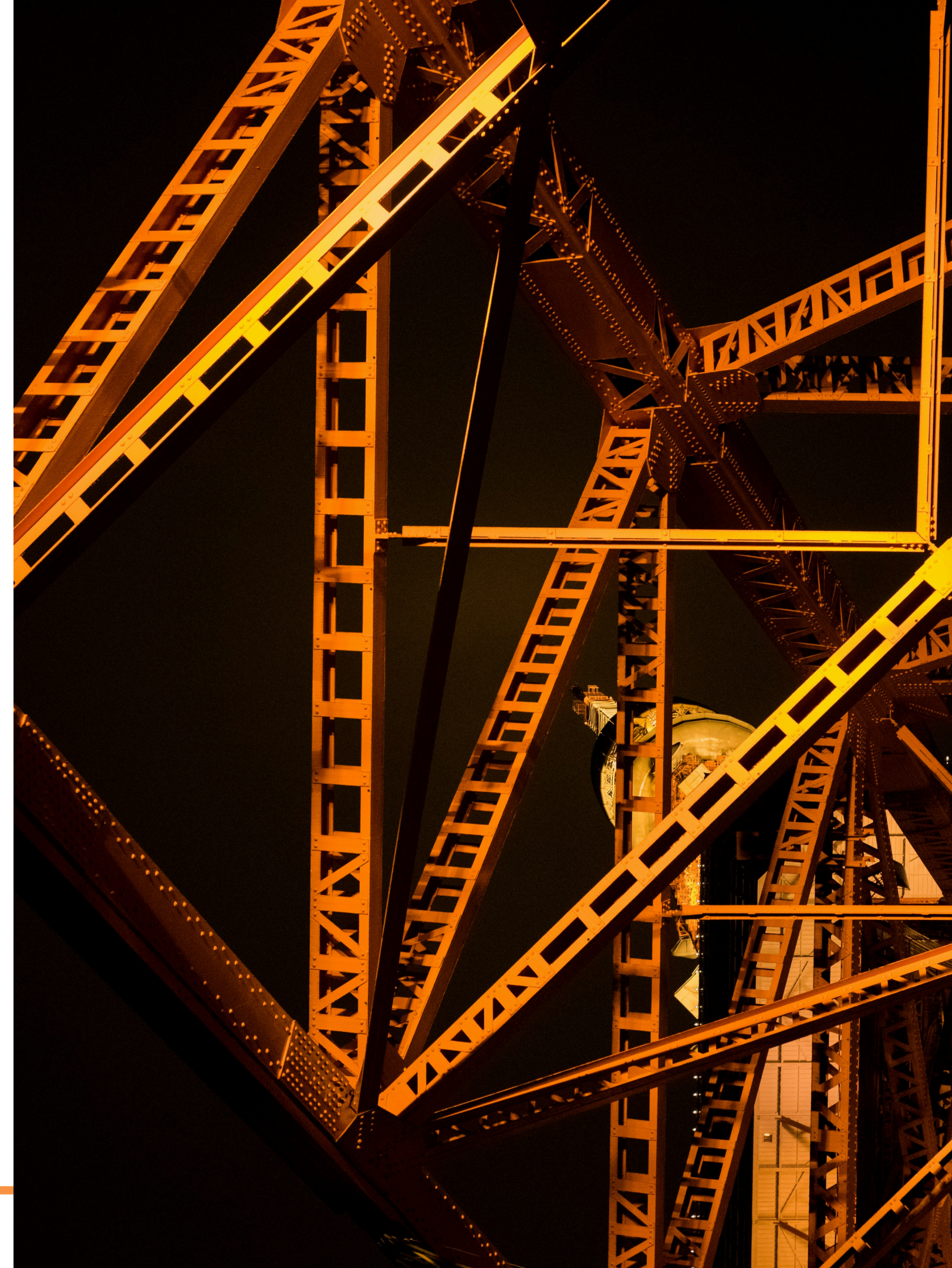


TURNKEY CONTRACTS



A'amal E&I collaborates to deliver world-class Turnkey Contracts, combining quality work with industry-standard HSE practices for impactful results.

Our Turnkey Contracts encompass Electrical, Instrumentation, Procurement, and Construction Services, ensuring comprehensive and effective project execution from start to finish.



TURNKEY CONTRACTS SERVICES



Engineering

Our Engineering Services includes a realm of highly specialized sectors, all at the disposal of our clients.

Electrical

- Project Electrical Design Requirement
 - Specification and Data Sheet
 - Calculation
 - Single Line Diagram
 - Layout Drawing
 - Cable Schedule
 - Load List
 - Typical Installation Drawing
 - Material Take Off
 - E-House
- (Modular & Portable Substation & Control Room Solutions)

Instrumentation

- Project Instrumentation Design Requirement
- Operation And Control Philosophy
- Protection and Safety Philosophy
- System Architecture
- Input / Output List for PLC/DCS/SCADA
- Cause & Effect Chart
- Instrument Index
- Specification and Data Sheet
- Layout Drawing
- Instrument Hook-Up
- Sizing Calculation
- Material Take Off



Procurement

We understand thorough and strategic Procurement, as a result our Procurement services remain unrivaled in numerous sectors.

Electrical

- HT & LT Switchgear Panels
- Transformers
- Diesel Generators
- Lighting Materials
- Earthing & Lightning Materials
- Power & Control Cables
- Cable Tray and Trunking Materials

Instrumentation

- PLC/SCADA/DCS System
- Control Panels
- Field Instruments
- Junction Boxes
- Control & Signal Cables
- Cable Tray and Conduits
- Hook-Up Materials



Construction

From Installation to Testing and more in between, we provide highly skilled personnel and top of the line technology for our Construction Services.

- Installation
- Testing
- Pre-Commissioning
- Commissioning

MAINTENANCE

A'amal E&I has specialized teams of experts dedicated to delivering exceptional Maintenance Services. We ensure that everything, from fault diagnosis to routine servicing and planning, is performed to the highest standards.

Our Maintenance Services include Preventive Maintenance, Predictive Maintenance, Corrective Maintenance, and more, providing comprehensive support to maintain optimal performance and reliability.



MAINTENANCE SERVICES



Preventive Maintenance

We take a highly proactive approach to maintenance and aim to prevent equipment failure before it occurs. This is why we regularly inspect, and repair all equipments resulting in extended lifespan and minimizing downtime.



Predictive Maintenance

Our expertise in Predictive Maintenance allow us to quickly identify patterns and anomalies in equipment data, making it easier to predict equipment failure with greater accuracy.



Corrective Maintenance

We efficiently detect the root cause of equipment failures and recommend appropriate corrective actions in the shortest timespan. Our active approach results in highly effective Corrective Maintenance.



Periodic Maintenance

We use the latest technology and best-in-class professionals to keep a vigilant check on equipments and their Periodic Maintenance. Our attentive approach leads to smooth operations throughout.



ShutDown Maintenance

Our highly experienced technicians help perform high level Shutdown Maintenance. We complete complex Shutdown Maintenance projects within the timeframe which results in financial relief for our clients.



Annual Maintenance

Together with our drive for quality and highly skilled workforce, we provide the most effective, smooth and cost-saving Annual Maintenance for all levels and industries.

MANUFACTURING & INTEGRATION

A'amal E&I recognizes the critical importance of smooth, error-free manufacturing processes.

Our in-house facilities play a key role in ensuring seamless and flawless Manufacturing and Integration. Our services include Instrumentation Control Panels, PLC/SCADA/DCS Cabinets, Electrical Control Panels, and more, delivering reliable and efficient solutions tailored to your needs.



MANUFACTURING & INTEGRATION SERVICES



Instrumentation Control Panels

We design the most robust, reliable and efficient Instrumentation Control Panels that monitor and control variables depending on our clients' needs including temperature, flow, current and more.



PLC/SCADA/DCS Cabinets

Our in-house experts design and produce highly durable PLC/SCADA/DCS Cabinets which can withstand industrial use for decades.



Control Desk

Integrating Control Desk to our clients' industrial plant is our speciality. We make sure the software is accurately calibrated for all and the specific client needs.



Electrical Control Panels

We understand the importance of electrical components in a plant or any industry. Our Electrical Control Panels provide a safe and durable enclosure that houses all your crucial components.



Junction Boxes

Electrical connections and junctions can get complicated, especially in an industrial space. This is why we produce the best-in-class Junction Boxes.



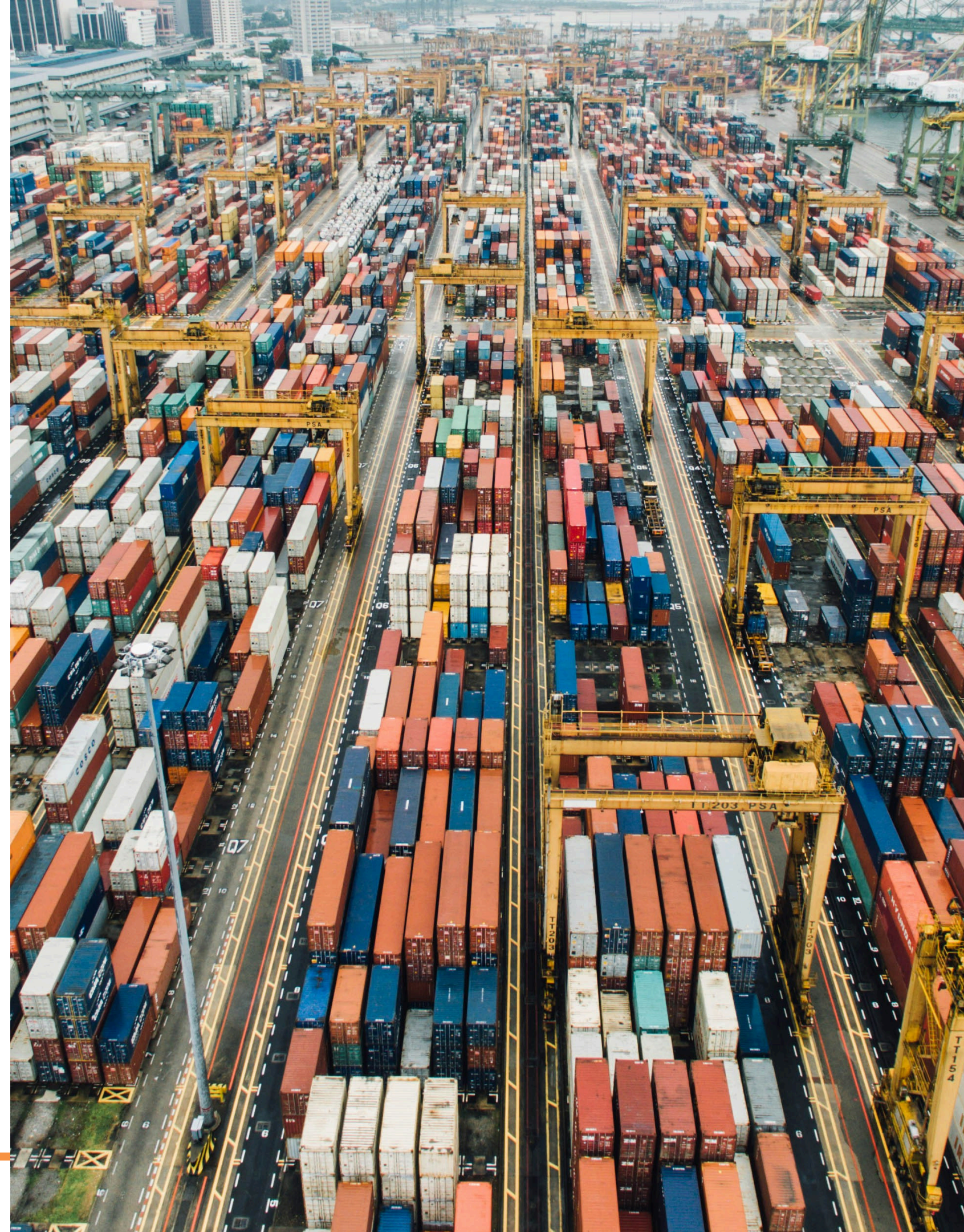
Test Benches

Our Test Benches use industry standard calibration and testing mechanisms to monitor and examine numerous kinds of modules resulting in the best outputs.

PRODUCT SUPPLY

A'amal E&I is committed to providing high-quality industrial products, partnering with renowned manufacturers to offer an extensive Product Supply portfolio.

Our Product Supply services include Flow Measurement, Automation & Control System Products, Sensors, Connectors, and more, ensuring reliable and advanced solutions for various industrial needs.



PRODUCT SUPPLY SERVICES

Flow Measurement

- Ultrasonic
- Inline
- Permanent & Portable Clamp-on
- Coriolis
- Electro Magnetic
- Vortex
- Turbine
- V-Cone
- Orifice
- Variable Area
- Annubar

Solutions

Our flow solutions for Different Media

- Any hydrocarbon liquids & gases
- High viscous fluids like crude oil, lubrication oil, base oil, etc.
- Wet Gas / flare gas
- Liquids with high solid particles and condensates
- Density measurement for Hydrocarbon liquids
- Chemical / food products concentrations
- Portable / waste / sewage / treated Water
- High-temperature measurement
- Cryogenic / LNG liquids
- Food industry and pharma products

Applications

- Well head measurements
- Filter / separator outputs
- Gas / Water injection
- Any process applications
- Pumping stations
- Transmission lines
- Leak detection



Analytical Solutions

Online Analyzers

- Moisture
- Oxygen
- H₂S
- Total Sulphur
- Trace Hydrocarbon
- Dissolved Oxygen
- PH & DO
- TOC / TSS / BOD Analyzer
- Total Chlorine
- Conductivity
- Oil In Water
- Gas Chromatographs
- Continuous Emission Monitoring Systems(CEMS)
- Predictive Emission Monitoring Systems(PEMS)
- Physical Property Analysers – RVP, Flash Point, Cloud Point, Colour, Opacity etc.

PRODUCT SUPPLY SERVICES

Automation & Control System Products

Control Panel Solutions

- PLC, RTU, and other dedicated control system
- I/O modules for Ex Rated applications
- Profibus PA and foundation field bus systems
- HMI with PLC
- Intrinsic safe barrier and other interface modules
- Power supply
- Predictive maintenance & Condition Monitoring System

Identification & Authorization Solutions

- RFID systems
- VISION systems by smart cameras
- Barcode

Communication Solutions

- Wireless Solutions
- Cloud Solutions

Enterprise Management Solutions

- Product management software through wireless, RFID, and Cloud Systems.



Sensors, Connectors & Measurements

Sensors

- Pressure / Flow / Temperature / Proximity / Level / Vibration / Position etc.
- Ultrasonic / Laser / Photo Electric / Fiber Optics

Instrumentation Connectors

- Cordsets and receptacles connectors
- EX Certified Version Connectors
- Instrumentation Junction Box.

Lightings

- Special LED lightings on work stations
- Touch lights for process and industry applications

Safety system / Machine Protection

- Measuring Arrays
- Safety Controllers / Relays etc.

Measurements

- Dial Pressure gauge
- Digital Pressure Gauge
- Bimetallic Temperature Gauge
- Differential Pressure Gauge
- Diaphragm Seal Gauge
- RTD & Thermowell
- Thermocouple
- Level Transmitter
- Capable Switches
- Level Switches
- Needle Valve
- Manifolds
- Microtube

PRODUCT SUPPLY SERVICES



Calibration / Workshop / Laboratory Equipments and Services

Calibration

We offer products & solutions for calibration of pressure and temperature instruments. We offer Customized Test Bench Solutions and Portable Calibrators for pressure, temperature, and multifunction units.

Workshops and laboratory Equipments

We offer full EPC contracts for workshops and laboratory units. We can offer complete and custom solutions as per your requirement.

Furthermore, we can support any workshop and laboratory product items from their product lines.



F&G Detection And Monitoring Systems

- Fixed Gas Monitoring and Detection Systems
- Open Path Gas Detectors
- Heat and Water Detection
- Warning Signal Systems
- Portable Gas Detectors
- Fire & Industrial Signaling
- Hand-Held Laser Remote Gas Leak Detector
- Continuous Gas and Flame Detection (For Toxic / Combustible & Oxygen)
- Explosion-proof Sounders, Beacons, Loudspeakers and Call Points



Control & Manual Valves

- Axial Flow Control Valves
- Gate Valves
- Globe Valves
- Check Valves
- Butterfly Valves
- Ball Valves
- Choke Valves
- Rotary Valves
- Actuators
- Self-Operated Regulators

Industries

- Chemical & Petro Chemical
- Oil & Gas
- Power Generation
- Water & Waste Water
- Industrial Gases

CUSTOMIZED SOLUTIONS



A'amal E&I prioritizes and deeply values each client, resulting in Customized Solutions tailored to meet specific needs across various sectors.

Our services include Flow Calibration, Integration of Control Panels, Condition Monitoring, Industrial Communication Systems, and more, ensuring optimal and personalized outcomes for our clients.



CUSTOMIZED SOLUTIONS SERVICES

Flow Survey / Flow validation

We offer Flow Survey and Flow Validation services for the existing flow meters on the field. With our clamp-on flow meters we can measure flow invasively with best accuracy possible.

Flow Calibration

Thanks to our technology and skilled professionals, we can offer high-level Flow Calibration services.

Integration of Control Panel

We own the strength and capabilities for the design, build, supply & installation of control panels for various plant applications. We can integrate:

- PLC / RTU-Based Control Panel
- HMI Panels
- Remote I/O Panels
- Marshalling Cabinet
- Retrofit Solutions
- Wellhead Control Panel
- Ex Rated Control Panels for Hazardous Area Applications

Condition Monitoring

We understand the critical nature of Condition Monitoring and therefore provide exceptional services for the best results. Services include:

- Vibration & temperature monitoring systems
- Pump compressor protection by dry flow, pressure measurement
- Valve feedback systems
- Independent loop speed measuring system
- Product tracking in the plant by RFID, barcode, and other device

Industrial Communication Systems

We provide high-quality and effective Industrial Communication Systems that improve overall work processes for our clients. Services include:

- Complete field bus communications for field I/O to control panels.
- Wireless radio communication between fields I/O to control panels for status update.
- Cloud Systems
- Anti-Collision systems

CUSTOMIZED SOLUTIONS SERVICES

E-House

- Low, medium, and high voltage switchgear
- Low and Medium-voltage transformers
- Low and medium voltage Variable Frequency drives
- Cables, cable trays, and accessories
- Mechanical, electrical, and control systems for the building, including lighting, heating, ventilation, air conditioning, dust filtration system, fire protection, lightning protection, alarm system, CCTV system, access control systems, SCADA, etc
- Structural and support systems include Floors, Doors, Internal and External Walls, Roof, Internal, External, and Emergency Lighting.
- Steel or ISO structures with various sizing and modularity
- Thermal insulation, IPXX Rated, Fire Rated, Blast Resistance for Battery Rooms, etc.
- Custom Solutions include fireproof coating, Multi Cable Transit (MCT), Redundant Systems, FM200, NOVEC 1230, Raised Flooring with Air conditioning and Fire Protection, and more.
- Built to applicable NEMA®, IEEE®, ANSI, UL® and IEC standards and requirements

Customized Analytical Solutions

We work with every client to study and develop bespoke solutions for analytical purposes resulting in highly effective solutions.

- Analyzer Shelter / Cabinet Packages
- Sample Conditioning Systems

OUR CLIENTS

Worldwide clients




GET IN TOUCH

Our representatives will be more than accommodating to any queries you may have. A'amal E&I looks forward to doing business together with you.

 [linkedin.com/company/aamal-group-aebg/](https://www.linkedin.com/company/aamal-group-aebg/)

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