



# MAES

ABU ADEL ENGINEERING & MECHANICAL SERVICES  
— ابو عادل للخدمات الهندسية و الميكانيكية —



# CONTENT

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1. OUR STORY
2. METAL WORKS
3. MOTOR & TRANSFORMER MAINTENANCE
4. SWITCHGEAR
5. LIFTING EQUIPMENT
6. M.E.I. CONTRACTING
7. TRADING
8. PUMPS AND ACCESSORIES
9. FIRE PUMPS
10. GULF CRANES
11. WATERFLOW SERVICES
12. ABU ADEL HEAVY EQUIPMENT
13. CERTIFICATES



# Our Story



Original founder  
Abdulrazaq Haydar,  
1988

Abu Adel Engineering Services (AAES) is a multidisciplinary engineering solution provider that manufactures custom made products, offering a range of engineering based services from design to maintenance, as well as sourcing only the best suppliers and providing exemplary services to our customers. We are committed to providing innovative ways to serve the Qatari market.

## **Qatar is evolving and so are we.**

Founded in 1988, Qatari owned AAES has been committed to supporting the market transition, from one generation to the next, as we strive to ensure that Qatar receives the best quality output possible. Over the years, with continuous expansion, AAES has now diversified into multiple divisions, covering a range of engineering activities.



# AAES

In 1988, AAES entered the Qatari market by working in the water and wastewater infrastructure industries, where we swiftly established ourselves as a market leader in building pump stations and sewer treatment plants. By 1994, we had expanded into sewer line repairs with Waterflow Services Company WLL, a joint venture with the well-known British firm Waterflow Services.

As Qatar's needs evolved, AAES broadened its services to meet the growing market demands. We established a motor, pump, and transformer service center, a switchgear assembly division, and a well-equipped metal fabrication workshop featuring British-made lathes. These expansions enable us to exercise comprehensive control over our engineering projects, aligning with the country's advanced requirements.



Original site  
Street 15, Industrial Area  
- 1988 -



ABU ADEL ENGINEERING & MECHANICAL SERVICES  
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New Facility  
Street 21, New Industrial Area  
- 2023 -

In 2019, the company board approved a 70-million QAR investment to build a 30,000 Sqm factory in the New Industrial Area, as well as a rebranding campaign, giving us a fresh new look.

In addition to the new factory, AAES has acquired state-of-the-art machines that have been commissioned, expanding our capabilities to further service the ever growing Qatari market

**KEEP AN EYE OUT FOR  
US!**





# METAL WORKS

Fabricating to your custom made designs as well as carrying out a range of repairs on metal components.



## FABRICATION

- Structural steel
- SS Works
- Aluminum Works
- Marine Works
- Oil & Gas Services



## SHEET METAL

- Rolling
- Bending & Shearing
- Welding
- Finishing
- Bollards
- Handrails
- Furniture
- SS Kitchens
- Cladding & Facades
- Decorative



## MACHINING

- Turning
- Milling
- Gear Hobbing
- Gearbox Maintenance
- Valve Refurbishment
- Spindles
- Shafts
- Threaded Bar



A technician wearing a white uniform with a red stripe on the sleeve is working on a motor. The motor has many copper windings and white insulation. The technician is holding a bundle of these windings. In the background, there are some tools and a wooden block on a workbench.

# MOTOR, PUMPS & TRANSFORMER MAINTENANCE

**Motors not working? Let us take it for a spin. Our service centre can ensure your motor is back up and running with minimal delays. Our services also extend to overhauling transformers and pumps.**





## TROUBLESHOOTING

Your motors can be stripped and problems identified by our team of professionals. We can detect faulty bearings, burnt out coils and unbalanced shafts as well as a range of other faults.



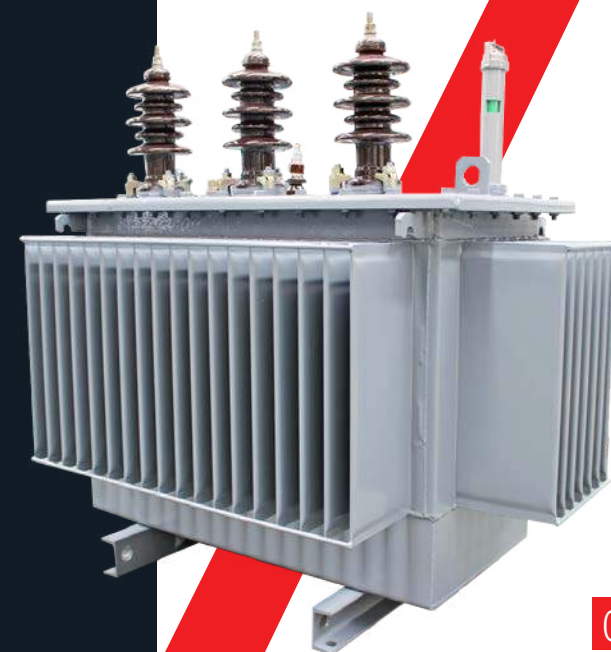
## REWINDING

Refurbishing motors is one of our core services. Through shaft balancing, coil rewinding, coil dipping and drying, laser alignment, balancing to ensure minimal vibration and due to the great quality of our team's work alongside our state-of-the-art machinery and test lab, your motor will be up and running in no time.

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## ONE STOP SHOP

Bringing your equipment to AAES is the optimal decision. We are a one-stop shop that can refurbish your motors, pumps & transformers electrically, mechanically and certify all in one location. Without the need to subcontract any work, we can carry out all works necessary, guaranteeing we have complete control over your project and give speedy turnaround.





# SWITCHGEAR

Our control panels and switchgear, approved by Ashghal, Kahramaa and certified by UL, keep the electricity flowing throughout Qatar.

From PLC controlled systems to automatic switching circuits, we can build it all, keeping the lights on and your phones charging.



## DESIGN

With over 35 years of experience in control panel design, we can assist you in creating a panel that meets your needs, while adhering to QCS.



## MANUFACTURING

As an approved Ashghal, Kahramaa & Qatar Energy Vendor, we can deliver the panels to the industry with a quick turn around and at a competitive price. Our products include manufacturing LV panels, Local Control Systems, MCC, VFD Panels, Feeder Pillars, and PLC Systems as well as servicing.



## AFTERCARE SERVICES

Our panels are available with or without on-site testing and commissioning. Our warranties provide you with peace of mind by ensuring prompt repair or replacement.

If your panels are already installed but are not performing as intended, we can troubleshoot them for you, whether they are our panels or those from a third party.







# LIFTING EQUIPMENT

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**Moving the heavy stuff...safely! Our lifting equipment division can support you with in-house custom made and tested parts, imported components from well-known brands as well as on-site installation and servicing.**



## CRANE SUPPLY

With over 35 years of seasoned experience in the lifting industry, AAES is the perfect choice to supply the right cranes for diverse lifting needs. We consistently provide a broad spectrum of cranes at competitive rates to industries like manufacturing, oil and gas, warehousing, and construction. Each crane in our lineup is available for selection, with or without our comprehensive installation and testing services.

## LIFTING ACCESSORIES

We offer tailor-made and tested lifting gear, ideal for complementing your new crane or updating your existing equipment, ensuring utmost safety. Our range of accessories, sourced from industry-certified suppliers, comes in various materials to suit your project needs. These can be rigorously tested either on our hydraulic testbed or in our specially designed test pit, guaranteeing reliability and performance.

## INSTALLATION & COMMISSIONING

Our skilled team will happily install and commission a range of cranes including EOT Overhead Cranes, Jib Cranes and Gantry Cranes, even if it was supplied by another vendor. Proofload testing and Third Party Certification are available for all our clients.

## ANNUAL MAINTENANCE CONTRACTS

To uphold safety standards and minimize downtime, we gladly offer annual maintenance contracts. This ensures your cranes consistently meet industry standards and remain operational. Additionally, our call-out breakdown service is always available to provide prompt, on-site crane repairs.

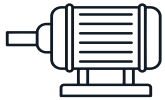






# M.E.I. CONTRACTING

**Contracting for mechanical, electrical and instrumentation systems with a focus on water infrastructure and waste treatment facilities.**



## WATER & SEWAGE PUMP STATIONS

As one of the nation's most established specialists, recognized by Kahramaa and Ashghal, we have played a pivotal role in numerous pump station projects across the country. Our involvement extends to key projects in Al Kharaitiyat, Al Wukair, the North Road Project, and Doha West. Our proven capabilities have consistently led to our selection for high-profile projects within the Qatari market, underscoring trusted reputation in the field.



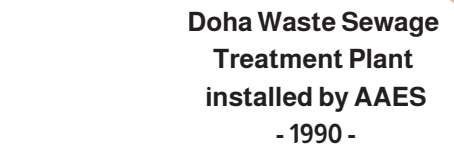
## SEWAGE TREATMENT PLANTS

AAES's longstanding and prominent involvement in sewage treatment plants positions us uniquely to offer comprehensive installation and commissioning services. Our commitment to competitive pricing, coupled with strict adherence to both local and international standards, sets us apart in delivering excellence and reliability in every project.



## OPERATION AND MAINTENANCE

AAES specializes in comprehensive operation and maintenance services for critical infrastructure. We expertly inspect and service pumps and motors, ensuring efficient water distribution. Our team adeptly maintains M.E.I.C.A systems and oversees automated controls for peak system performance. Committed to sustainable operations and community health, we also provide rapid on-call breakdown services to minimize downtime and maintain operational excellence.

An aerial photograph of the Doha Waste Sewage Treatment Plant, showing several large circular tanks and industrial structures.

**Doha Waste Sewage  
Treatment Plant  
installed by AAES  
- 1990 -**

# TRADING

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**Our warehouse is fully stocked, allowing you to get all your metal supplies instantly.**

**Our trading division stocks and supplies a variety of sheet metal, tubes and bars made with different materials, including MS and SS, with more materials on the way, such as aluminum and brass.**



## FITTINGS

All parts are composed of high-grade stainless steel, from round end caps to elbows and joints. Our comprehensive stock includes:

- Industrial Pipes & Flanges
- Handrail Fittings
- Flanges
- End Caps
- Elbows
- Domes
- Base plates



## SHEET

Material	Thickness (mm)	Width (m)	Height (m)	Finish	Grade	Origin
SS	0.6 - 4.0	1.2 - 1.5	2.4 - 3.0	Mirror, Brush, Hairline	304, 316L	China, Taiwan
SS	3.0 - 14.0	1.2 - 2.0	2.4 - 6.0	Mill	304, 316L	China, Taiwan, India

## TUBE

Material	Thickness (mm)	Size (mm2)	Length (m)	Finish	Grade	Origin
SS SQUARE	1.2- 4 mm	10 - 100	6	Mirror, Hairline, Brush	304, 316L	China, Taiwan
SS RECT.	1.2- 4 mm	15 - 100	6	Mirror, Hairline	304, 316L	China, Taiwan





## PIPE

Material	Thickness (mm)	DIA (mm)	Length (m)	Finish	Grade	Origin
SS	1 - 3	12.7 - 152.4	6	Mirror, Satin	304, 316L	China, Taiwan, India

## BAR

Material	Thickness (mm)	Size (mm)	Length (m)	Finish	Grade	Origin
SS FLAT BAR	3- 12	25- 150	6	Mill	304,316L	China, Taiwan
SS ANGLES	3- 5	30 - 50	6	Mill	304, 316L	China, Taiwan
SS RODs		6 - 38	6	Mill	304, 316L	China, Taiwan

The background of the slide features a close-up photograph of industrial machinery. On the left, there is a blue-painted metal component, possibly a valve or part of a pump assembly. A black pressure gauge with a white face and black markings is visible in the upper center. The gauge has a needle pointing to approximately 1.5 bar. Below the gauge, there are various pipes and flanges. A bright blue hose or cable runs diagonally across the lower left portion of the image. The overall scene is industrial and technical.

# **PUMPS AND ACCESSORIES**

**With our state of the art pumps, your fluids will keep moving  
at the right pressure and flow rate.**





## PUMPS & SPARES

As the official authorised agent for the German KSB Pumps, spanning over 35 years, our expertise means you can trust us to source the correct pump for you, making us the ideal supplier for the Qatari market. Furthermore, due to our knowledge in the industry, we have the ability and the contacts to trace and supply spare parts for your current pump systems. We can supply anything from seals to bearings.



## ACCESSORIES

Over the years, AAES has built up a network of international relationships with pump accessory manufacturers worldwide, distributing a range of pump related accessories directly to the Qatari market, ensuring minimal downtime and delays to projects

Our considerable experience includes supplying, installing, commissioning, and trading into various industry sectors, including offshore and onshore oil and gas, water and sewage networks, treatment plants, and the electrical national grid.







# FIRE PUMPS

**Making sure the fire is put out instantly, our pumps are always on standby, keeping your system pressurised and ready for action.**

The Qatar Civil Defense Department works with our fire pump division which is a manufacturer of UL-listed, authorized end-suction centrifugal fire pumps. The EX Pumps from our fire Systems are designed to meet UL 448 and NFPA 20 standards, with performance that exceeds ISO 2858.

Our fire pumps feature a hydraulic design that allows us to achieve much higher efficiency while using lower energy. The flow rates are 1.6 times and the heads are 1.25 times their corresponding sizes in the ISO 2858 standard.

AAES produces fire pumps that are specifically intended to minimise the amount of space required. The pumps can be driven by an electric motor or a diesel engine, and they can handle a wide range of fire pump applications.

Furthermore, our fire pumps feature a back pull-out design for easy disassembling and maintenance, in addition to being designed with a heavy-duty bearing frame, for long-term performance and dependability.

## FIRE PUMPS FEATURES AND BENEFITS

- Made in Qatar
- Frame-Mounted Design
- Retrofitting with a Small Footprint
- Self-venting Design
- A dynamically balanced impeller extends bearing life and assures smoother operation.
- Available in an electric motor or diesel engine-driven configuration.
- The rear pull out design comes standard with a spacer coupling.
- Top centerline discharge with foot-supported casing.





## GULF CRANES

Established in 2013, Gulf Cranes proudly stands as Qatar's pioneering manufacturer of overhead cranes, setting a benchmark in the industry by adhering to international standards, specifically the FEM standard, which ensures the delivery of quality products.

The crane systems are meticulously crafted in-house, with a commitment to world-class standards, at our expansive production facility that spans over 30,000 square meters. This dedication to excellence in manufacturing ensures that each component of our crane systems meets the highest quality and safety expectations.

## OUR RANGE

Our product range includes Double and Single Girder Electric Overhead Crane Systems, each designed to fulfill specific operational needs.

The double girder system features two bridge girders supported by walking mechanisms, with one girder equipped with power cables and the other with a maintenance platform, making it ideal for handling larger tonnages.

Conversely, the single girder system, supported by a solitary girder and preferred for loads below 10 tons, offers economic efficiency due to its lower bridge clearances and simpler design.

Both systems exemplify our commitment to providing versatile and robust lifting solutions for various industrial requirements.



# QATAR'S FIRST CRANE MANUFACTURER



Need the power to lift?

Our overhead cranes come in a variety of sizes and lifting capacities, allowing all our clients to rest assured that their lifting needs are met with the highest of safety controls, fully manufactured in-house.





**WATERFLOW**  
**SERVICES AND WASTE**  
MANAGEMENT

A SUBSIDIARY OF **AMES**

# WASTEWATER PIPELINE INSPECTION & MAINTENANCE

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Stopping that leak and keeping the water coming to you, or away from you, Waterflow Services will make sure it keeps flowing in the correct way.





## HIGH PRESSURE JETTING

Waterflow Services has been performing high-pressure water jetting operations since 1993, now featuring the most up-to-date machines to handle any high-pressure water application.

Our fleet of jetting machine units, that can operate at pressures ranging from 3000 to 8000 psi, removing heavy silt, sand, grease, and debris from a range of pipe diameters.

The new state of art 'IBAK' robotic camera then goes down into the pipe to allow us to fully inspect for any further blockages or cracks and leaks.

## PATCH LINING

Once the crack is identified, we will fix it by either patching the section or relining the segment of pipe with the below specs:

- Localised structural repair of sewer and stormwater pipes.
- Pipes with diameters of 100-600 mm.
- Multiple patches can be installed to repair longer lengths.
- Cures underwater, does not require heating.
- It generates no unpleasant odours. Tested in accordance with ASTM D790 (Flexural) and ASTM D638 (Tensile)
- Design in accordance with AS 2566.

This will ensure the pipes are suitable for use for years to come!



ABU ADEL FOR HEAVY EQUIPMENT MAINTENANCE

إبوعادل لصيانة المعدات الثقيلة

A SUBSIDIARY OF **MES**





# HEAVY EQUIPMENT RENTAL & MAINTENANCE

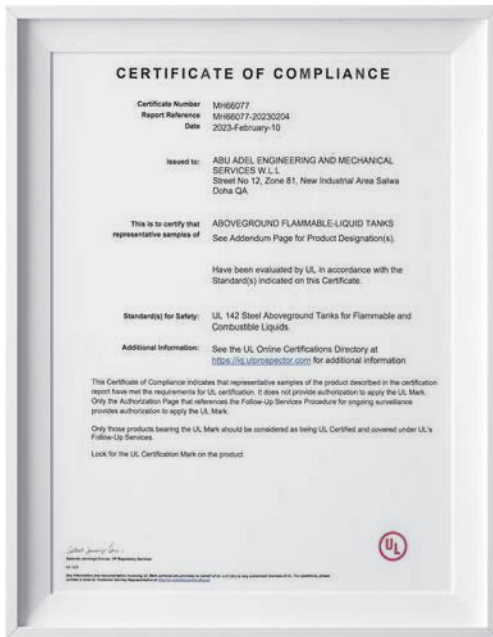
Need to break into your next construction project or your machinery broke down?  
Our Heavy Equipment Division can supply you with a range of heavy plant or maintain your own to make sure your project keeps progressing smoothly

TYPE	Boom Truck	Dump Trailers	Flat Bed Trailers	Excavators	Skid Loader	Manlift	Mobile Crane	Water Tanker
BRAND	UD with Mercedes Cab	Nachal with Mercedes Cab	Fruehauf and W.M	Komatsu	Bobcat / Hyundai	JLG	Sany	UD
WEIGHT	7T - 10T	28T / 32CBM	3T - 10T	6T - 20T 6 - 14Mtr	3T	14Mtr - 30Mtr	40T - 70T	3,000 GAL
MODEL	2015 - 2020	2016 - 2021	1970 - 2020	1990 - 2018	2010 - 2020	2015	2015 - 2020	1988 - 2020



# CERTIFICATES







ABU ADEL ENGINEERING & MECHANICAL SERVICES

— ابو عادل للخدمات الهندسية و الميكانيكية —

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**INSTAGRAM**



[aaesqatar](https://www.instagram.com/aaesqatar)

**LINKEDIN**



Abu Adel Engineering  
Mechanical Services