



المتحدة للأشغال المعدنية
UNITED METAL WORKS
A DIVISION OF GASOS



INTRODUCTION

United Metal Works is 100 % owned by GASOS Bin Hamoodah and is one of the leading and reputable fabrication companies located at ICAD Industrial area in Mussafah, Abu Dhabi.

Our state of the art fabrication facility, combined with a dedicated team of engineers, technicians and management ensures on time delivery of top quality products to Oil and Gas, Petro Chemical and Infrastructure sectors.

PRODUCT PORTFOLIO

Pressure Vessel

UMW has the capacity to design and fabricate pressure vessels to comply with ASME Standard. UMW is authorized to fabricate pressure vessels with U, U2, R and NB certification. UMW is approved with **ADNOC** Group of Companies for the fabrication of pressure vessels upto 35 mm (CS/ SS/ AS/ CLAD)- U STAMP.



Storage & Mixing Tanks

- Cylindrical & Rectangular Tanks (Capacity: 100,300 and 500 bbl)
- Acid Carboy with DNV 2. 71- Certified Skid (Capacity : 1000 ,2000 and 5000 US Gallon)
- Vertical storage tank as per API 650



Process Equipment packages

Our services include the design and manufacture of

- Deluge Skid.
- Chemical Injection skid.
- Metering skid.
- Pressure reduction skid.



Onshore & Offshore Cargo Carrying Units

Our Offshore baskets are designed and manufactured in accordance with DNV 2.71- / BSEN12079.

- 40 Feet Offshore Baskets
- 40 Feet Cradles
- 10 Feet Offshore Baskets
- 4 Feet x 8 Feet Offshore Baskets



Cementing Equipment

- Cement Silo
- Batch Mixer
- Cutting Bottle

Cement Silo

UMW manufacture Silos of capacity 1000, 2000 and 3000 cubic feet.

Batch Mixer

We design and Manufacture Batch mixer with capacity of 2x50 bbl ,2x75 bbl and 2x100 bbl .

Cutting Bottle

We fabricate Cutting bottles of different capacities.



Well Testing Equipment

- Test Separator
- Surge Tank
- Office Container

Test Separator

We design Horizontal, Vertical Separators for Production and Well Testing, to separate and measure the Oil, Gas and Water produced. We design 2 Phase and 3 Phase separator as per customer specifications.

Surge Tank

We design Twin compartment calibrated vertical Surge tank mounted on covered skid. Explosion proof lighting and supply cable on skid. Steam coil included with inlet / outlet ball valves and inlet check valve. Measuring equipment consists of calibrated volumetric scale on sight glasses and Pressure, Temperature gauges on vessel and sample points for Gas and Liquid sampling.

Office Container

We design and construct mobile office containers to suit client's individual requirement.

Heat Exchanger

UMW is involved in the design and fabrication of shell and tube heat exchangers as per the customer requirement. We offer design and fabrication of heat exchangers in accordance with ASME Standards.

UMW provides new design using HTRI software for thermal design and PV- elite for mechanical strength calculation.



Fire Fighting Equipment (Hydrants)

We are well experienced in the manufacture of following firefighting equipment like hydrants. We fabricate the various types of hydrants based on our client requirements.



Access control Equipment

We are the authorized manufacturers of ATG Access (UK) products including high security vehicle barriers designed and tested using the latest British and American Security Standards.

We manufacture the following access control equipment:

- Titan Bollard
- Sentinel
- Magnum Barrier

Titan Bollard: ATG Access Designed Titan Bollard is a PAS 68, crash certified bollard which provides pedestrians permeability. The Titan bollard successfully arresting a 7500 kg vehicle travelling at 80km/h (50mph). The product is also tested to DOS standards, achieving a K12 rating.

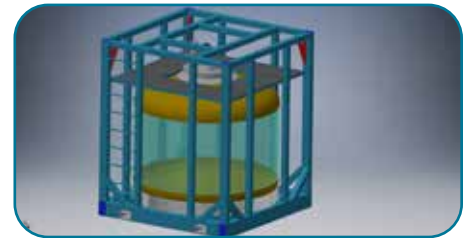
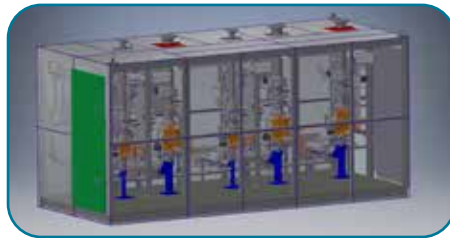
Sentinel: ATG Access hydraulic road blockers are designed for maximum perimeter security. The road blocker features an automatic raising and lowering function and is installed to be flush to the finished roadway when fully retracted.

Magnum Barrier: This vehicle barrier utilizes a pit-mounted, rotating, wedge-style system consisting of welded steel members rotated around a heavy steel shaft.



Design Capability

Our experienced Design engineers are capable of designing pressure vessels using PV Elite software, Pipe stress analysis using CAESAR II and Structural analysis using STAAD. Pro. We use Solidworks/ Inventor/ CADWorx to model process skids and packages.



Accreditations

American Society of Mechanical Engineers (ASME) authorized manufacturer of:

- Pressure vessels up to 3,000 PSI (U-Stamp)
- Pressure vessels up to 10,000 PSI (U2-Stamp)

National Board of Boiler & Pressure Vessel Inspector (NBBI) authorized for:

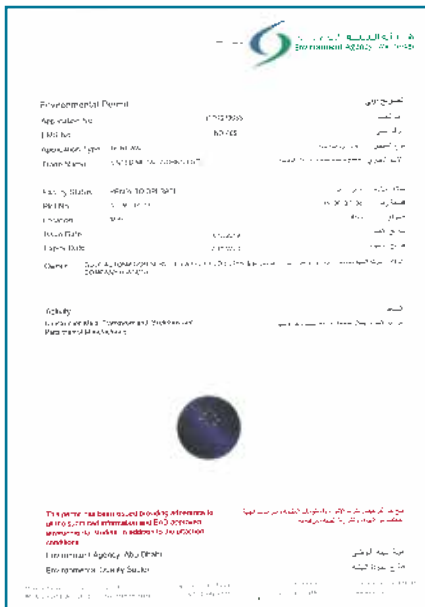
- Repair and/ or alteration (R-Stamp)

Quality management system certified to:

ISO 9001: 2015, ISO 14001: 2015, OHSAS 18001: 2007 by Lloyd's Register

ADNOC IN-COUNTRY VALUE (ICV) CERTIFIED

CERTIFICATIONS



ADNOC SUPPLIER CODE: 001008100

Pre-Qualified Product Groups

- Tanks, Cyclones & Silos - For General Applications
- Steel Structure Fabricated
- Pressure Vessels upto 35mm (CS/SS/AS/CLAD) - U Stamp

Current Reference List:





LOCATION:

PLOT No.35,36,37,38. SECTOR M 46
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