

# EMCON

Oilfield Equipment Rental & Oilfield Services (Onshore / Offshore)



**AL SHOLA**  
Group Company

Since 1976

**RENTAL • SALES • SERVICE**

OILFIELD EQUIPMENT  
PROTECTIVE COATING & LINING  
OILFIELD SERVICES  
PLANT HIRE  
RENTAL POWER  
FABRICATION, ENGINEERING & DESIGN  
EARTH WORK CONTRACTING





## INTRODUCTION

We are based in Abu Dhabi & Dubai and our group company's operations are spread across the GCC countries. Our operations started in 1976 and for over 4 decades we have been providing a wide range of Oilfield Equipment, Protective Coating, Plant Hire, Power Rental & Earth work related services to clients across UAE.

We are an ISO 9001, 14001, 45001 & Protective Coating Manufacturers INEOS-Germany Approved

We become one of the major contributor in UAE to its Transport, Plant Hire and Diesel Generator Rentals, Protective coating Industry.

Currently AL SHOLA offers a wide range of services to our customers, which includes:

- ▶ **OILFIELD EQUIPMENT RENTAL**
- ▶ **PROTECTIVE COATING AND LINING, REPAIR (in-house, out-house, field service)**
- ▶ **PLANT HIRE**
- ▶ **POWER RENTALS**
- ▶ **EARTHWORK CONTRACTING**
- ▶ **TEMPORARY COOLING**
- ▶ **FABRICATION, PRODUCTION, ENGINEERING & DESIGN**

**Our overall aim is to meet our customers' needs with best possible services levels with top quality equipment and at a highly competitive level of pricing.**

Emcon / Alshola Group is an experienced firm specializing in supply, sales, servicing, refurbishing and maintenance for commercial, industrial and oil field sector.

Emcon/Alshola Group is an international provider of high quality DNV 2.7-1/EN12079 containers, loading baskets, tanks, modules and packaging solutions for people and equipment in the oil and gas industry. We have developed an international capability design, engineering, manufacture, installation and support across our broad range of products and services.

Emcon/Alshola Group is also registered with ADNOC. Our client list includes well known Marine & Oilfield Companies like Schlumberger, Halliburton, Baker Hughes, Weatherford, GE Oil & Gas, Ethos Energy, Al Mansoori, MAERSK, VM Gulf and so on. We focus ourselves on the quality of our service and our commitment to the highest standards of workmanship. Our services include full system design, power pack design, upgrade and refurbishment, plant relocation, piping and pipe work revision, cylinder refurbishment and supply, component supply and fit, sales of all hydraulic accessories and in-plant hydraulic training courses.

Emcon/Alshola Group prides itself on its excellent fault finding qualities and providing solutions to any problems and all its systems are provided with manuals and troubleshooting guide lines. Our capabilities and experience allows us to provide both speedy and economical solutions to our customers' need. All components serviced are tested and certified on completion of repair by our factory trained technicians to ensure our customers are receiving the best quality.

Emcon / Alshola Group is experienced in handling turn-key projects incorporating pressure vessels, mechanical servicing, centralized hydraulic power systems, hydrostatic drives, container works, deck machinery, pneumatic and mechanical systems, filtration systems, integrated control systems and complete pipe work services.

Emcon/Alshola Group team of service engineers is always on hand 24/7 to meet the requirements of our customers and we are happy to enter into long term service agreements to provide total product care and peace of mind to equipment owners.

### Our Major Clients (Approved Contractors) :

- ▶ ADNOC Drilling
- ▶ NORD Marine Engineering
- ▶ Baker Hughes
- ▶ Protech Engineering
- ▶ Halliburton
- ▶ TAQA (Al Mansoori Stimulation & Coil Tubing)
- ▶ Schlumberger Middle East
- ▶ MBK Marine Engineering
- ▶ Weatherford
- ▶ NESR Energy
- ▶ Al Ahlia Development Co
- ▶ Master Field Oilfield Services
- ▶ Al Raha Mechanical Company LLC
- ▶ Cochin Steel LLC
- ▶ Emirates Western Drilling Co.
- ▶ Superior Oilfield Co



**RENTAL OF VARIOUS KINDS OF OILFILED EQUIPMENT & POWER RENTAL**

**500 BBL Storage tanks Skid Mounted (Normal & Acid Services)**



**Diesel Engine Driven Transfer pumps (Normal & Acid Services)**





Sound Proof Diesel Generators  
12 KVA to 1500 KVA



Portable Air Compressors  
200 CFM to 825CFM



Electric Distribution Boards  
100 Amps to 10000 Amps



Power Cables



Transformers  
6.5, 11, 22, 33 KV



Diesel Tanks  
500 IG to 5000 IG



Light Towers  
LED / Halogen



Resistive/Inductive  
Load Banks  
5 KW to 1000 KW



Air Cooled Chillers  
100, 200 & 400 TR



Package A/C Units  
5 to 20 TR

## POWER PLANTS [2 MW to 20 MW]

The Power Modules are driven by Cummins/ KOMATSU Engines to get the best fuel Efficiency in its class. The paralleling switchgear we use in Power Module units allows for automatic or manual paralleling with the customer's electrical system. Each power module has built in Synchronising & automatic load management system which offers paralleling with other power modules.

The Diesel Power Module is integrated with advanced ComAp control system, which allows for fully automatic operation with Remote Monitoring through internet/smart Phones. The on-going engine data logging helps to the control system that defines the scheduling of onsite maintenance activities.

Following will details the specifications of the Power Plants we can provide.

2 to 20 MW @ 50 Hz with LV/HV Voltage in the following range

LV Output Voltage: 380/400/415/440 V @ 50 Hz/60 Hz

HV Output Voltage: 3.3/6.6/11/22/33 KV @ 50Hz

## POWER ACCESSORIES

### DIESEL TANKS

Diesel tanks from 500 to 5000 Imperial Gallons Capacity. We offer Bunded Tanks as well.

### DISTRIBUTION BOARDS/LV PANELS

Various types of D.Bs/LV Panels with current capacity from 500 Amps to 10000 Amps

### ATS PANELS

Various capacity ATS panel to do automatic transfer of Power

### POWER CABLES

Single Core Flexible cables with sizing 120, 150, 185, 240 sq.mm

### DRIP TRAYS

Drip Trays suitable for various sizes of Generators

### TRANSFORMERS

Transformers to handle voltage ratings from 400V 6.6KV, 400V -11KV, 400-22KV





## PROTECTIVE COATING-SURFACE PROTECTION

Elevating Industrial Standards with FRP and Derakane Lining Technology

Excited to Showcase another successful project where cutting-edge materials meet industrial demands!

We've recently completed this impressive project utilizing Fiber Reinforced Plastic (FRP) Combined with Derakane lining -a powerful combination delivering exceptional chemical and corrosion resistance for demanding industrial environments.

What makes this solution stand out:

**Superior Chemical Resistance:** The Derakane epoxy vinyl ester resin provides outstanding protection against aggressive chemicals, making it ideal for processing equipment exposed to harsh substances.

**Exceptional Corrosion Protection:** This specialized lining creates a formidable barrier against corrosive environments, significantly extending equipment lifespan and reducing maintenance costs.

**Temperature Resilience:** The FRP-Derakane combination maintains structural integrity and chemical resistance even under elevated temperature conditions, ensuring reliable performance in challenging thermal environments.

**Structural Integrity:** FRP's inherent strength-to-weight ratio, enhanced by Derakane's toughness properties, delivers robust equipment that withstands industrial demands while remaining lighter than traditional materials.

## NEW DERAKNE LINED EQUIPMENTS



## NEW DERAKNE LINED EQUIPMENTS

- ▶ Derakane 411-45 & 470-300 internal coating for all kinds of Acid Service Equipment such as Storage Tanks, Road Tankers, Frac Tanks, Batch Mixers, C pumps & Manifolds
- ▶ Acid Tanks Maintenance & Refurbishment
- ▶ Inspection & Certifications
- ▶ Oilfield Services Onsite & Workshop
- ▶ FRP/GRP/GRE Acid Protective Lining and Marine Steel Coating



100 BBL Twin Batch Mixer Internal  
Derakane Lined & Associated Pipe Spools.



3000 US GA Acid Storage Tank  
Internal Derakane Lined

# IRAQ BASRA GAS PLANT PROJECT



DERAKANE LINED VERTICAL STAND FRP TANK



DERAKANE LINED VERTICAL STAND FRP TANK



DERAKANE LINED VERTICAL STAND FRP TANKS



## NISSAN PATROL 4X4 MOBILE AMBULANCE INTERNAL MOULDING AND FRP LINING





### Dowell Schlumberger SA

Acid Tank Refurbishment Services Maintenance Level-3.

1. Internal Full Blast, Re-Lining with Derakane 411-45 Laminate Systems.
2. Re-fabrication of Damaged Hand Rails, Re-fabrication of Damaged Pipe Spools.
3. External Full Blast, Three Coat Paint Application @ 300 Microns.



**Derkane Lined Hammer Unions and Fittings**



## PROTECTIVE COATING-SURFACE PROTECTION



## NEW RUBBER LINING AND REPAIRS

### Rubber Lining Division

The Emcon / Alshola Group was formed in 1976 to address the needs of a growing tyre management and service industry in the Middle East.

Today we have grown to become a leading player in the industry providing clients with superior services and unique solutions to their problems across four continents.

We have grown beyond tyre management into providing our clients with all the solutions they need with regards to motion. This includes batteries for motive power and automotive batteries, lubricants, conveyor belt systems, technical rubber products and Fabrication.

Today the Emcon / Alshola Group employs in excess of 1600 people made up of thirty nationalities across four continents and has a light manufacturing base in Africa, Europe and the Middle East.

The Emcon / Alshola Group Rubber lining division has started in the year 1998 and with in short span of time, it has achieved the good reputations among the major clients with in the region.



## PROTECTIVE COATING-SURFACE PROTECTION

### 1. Apply the corrosion barrier

- After apply the laminate as reinforcement layer, surfacing veil as the corrosion barrier should be applied with polyester or vinyl ester as specified.

### 2. Spark Test

- Before applying the finish coat, all surface to be inspected to found any pin holes with spark test machine.  
Any pinholes detected and found, would be repaired at this time.



Elcometer 266 Holiday Detector

### 3. Finish Coating &

- Polyester and vinyl ester finishing coating would be brushed on the surface.
- Mix the resin with wax additive and pigment color as specified.
- Do hardness test of the surface with barcol hardness test machine.



## FABRICATION, ENGINEERING & DESIGN

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- All Types of Metal Works such as Fabrication, Maintenance & Refurbishment
- Expertise in all kinds of Oilfield Equipment Fabrications
- Design, Supply & Manufacturing of soundproof Enclosures, canopies, metal cabinets for DG & Air Compressor, Etc.
- Cylindrical/Rectangular Single Walled & Double Walled Water Tanks, Acid Storage Tanks, Crude oil / Hydro carbon tanks etc
- Fabrication & supply of Caravans 20FT & 40 Ft (Office, Well site, Accommodation, Ablution /Toilet, Meeting rooms etc)
- Carboy Tanks Skid Mounted, Reducing
- Manifolds, Pipe Works, Fabrication of Offshore baskets Fabrication of Fuel tanks, trans (diesel engine/electric motor driven)
- Mufflers, Silencers and spark Arresters
- Generators Assembly
- Manufacturing of LV Panels for Power Distribution





# EMCON

## EMCON OILFIELD EQUIPMENT RENTAL

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### Equipment Rental & Fabrication

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### Protective Coating

Varughese Koshy

### Division Manager

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FRP/GRP/GRE / FIELD JOINS  
ACID PROTECTIVE COATING & LINING

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