



UES - JOHN CRANE SUPPORT IN IRAQ

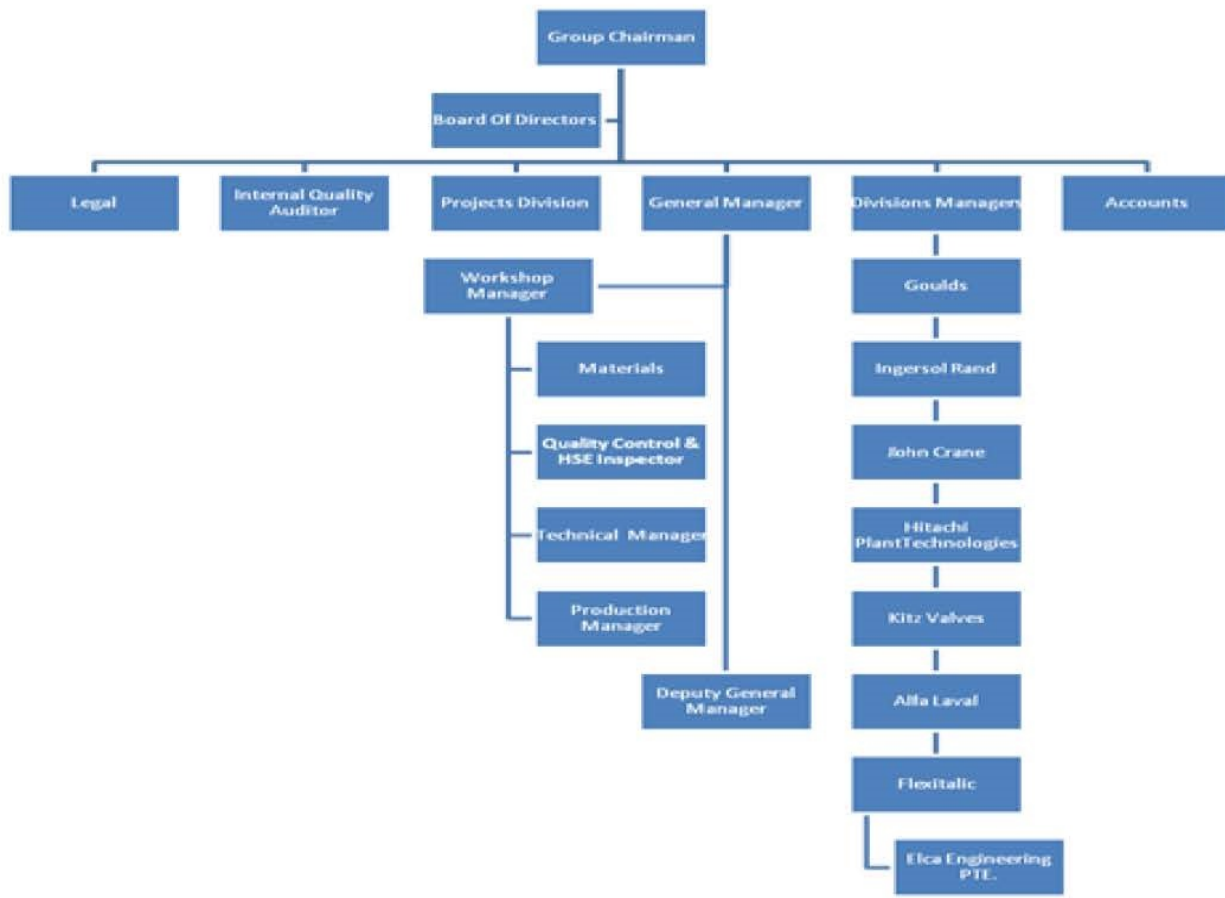


AL-USOOL ENGINEERING SERVICES COM. LTD

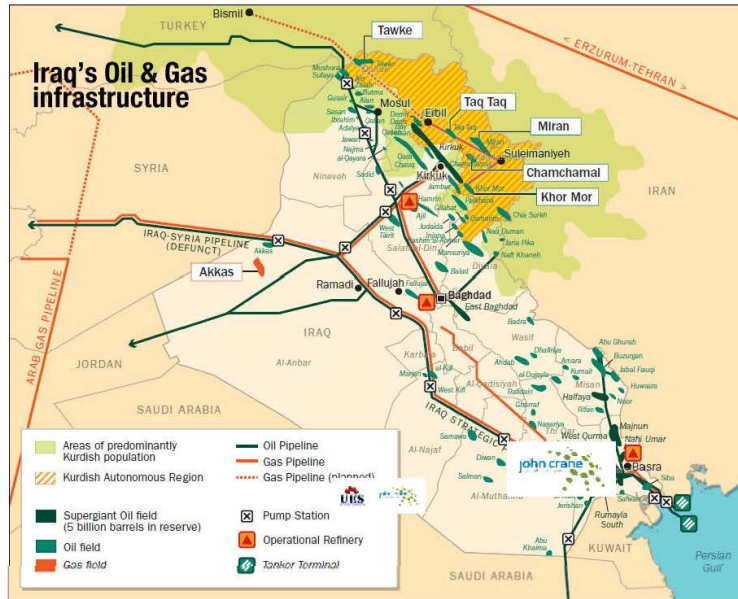
Al Usool Engineering Services Company Ltd. Abbreviated as UES is an IRAQI Engineering firm established in 2003 to provide Electromechanical services to customers in IRAQ mainly in Oil & Gas sector.

- ✓ Al Usool represent John Crane in Iraq and are the local Iraqi service and sales provider for John Crane products
- ✓ Al Usool is part of the SAPCO Group
- ✓ Capital – \$2 Million
- ✓ Turnover – \$50m
- ✓ No. of people - 300

UES Org Structure in Iraq and Principles represented



John Crane Energy City Service Centre Located in Petronor Compound in Burjesiah, Basra



Iraq Energy City

Strategically located at the heart of Zubair oilfield, outside the concession areas, IEC adjoins the South Oil Company (SOC) technical and operational base at Burgessia and offers multiple access routes to southern oilfields. IEC provides direct access to all main highways, Kuwait Border and Um Qasr Port. It is a short 20-minute drive to Basra Airport, 25min to Rumaila, 35min to West Qurna 1, 90min to Nasiriya and 100min to Majnoon



John Crane Energy City Service Centre



Operational team in
Basra since November 1th 2014



Operational staff located in Iraq

- Service Team Lead
- Field Service
- Technicians

Back office Support is provided from JC HQ in Dubai

- Engineering
- Commercial
- Service (Gas seals and Bearings)
- Projects
- Training
- Finance
- HSE



John Crane Energy City Service Centre



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Service Centre Capabilities



Wet Seal Repair and Testing

Dry Gas Seal Strip and Inspection (Before sending to UAE for repair)

Application support and troubleshooting

Support for the JC product range

- Wet Seals
- Gas seals
- Couplings
- Filtration
- Bearing Technology

Turnkey upgrades and retrofits

Stocking (linked to repair contract)

Reliability services



Site Service

- Installations, Pre - commissioning checks, commissioning, alignment
- Project Flawless start up
- Hands On Toolbox training
- Troubleshooting and reliability services
- Condition monitoring
- Wet seals and Gas Seals
- Site reliability surveys
- Upgrades and turnkey retrofits



John Crane - Empowering Global Energy

- On-Site survey and specialized services
- Upgrades and retrofits
- Spare part management
- Training
- Turn key projects with overall pump repair
- Root Cause Analysis
- Value added solutions based on reliability and long term partnership:
 - Basic repair contracts.
 - Performance based contracts.



Our Service and Solutions methodologies are focused in improving TCO, adding value to your operations

- Dry Gas Seal Retrofit Projects on a Turn-Key basis
- Dry Gas Seal Selection & Upgrades
- Separation Seals upgrades (T83/93FR)
- Gas seal control & Conditioning systems selection including "tie-in" integration expertise
- Control System site audits, review and improvement reporting
- Indufil Filtration systems & Aftermarket Support
- RCA, HAZOP, SIL (Safety Integrity level) studies
- Gas Seal Management & Bonded Stock Programs
- Project Management
- Compressor Performance Evaluation & Monitoring
- DGS & Turbomachinery Field Services
- Project Specification Support
- On & Offsite Training



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