


The background of the slide features a warm, golden-hour photograph of an industrial facility. In the foreground, several large, metallic oil pipes run diagonally across the frame, with their flanges and joints clearly visible. In the background, a series of tall, dark smokestacks or distillation columns rise against a bright, hazy sky, with some faint wisps of smoke or steam visible. The overall lighting is soft and warm, creating a sense of scale and industrial activity.

AL Nukhba Oil & Gas Solutions

October 2020

A photograph of an industrial facility, possibly a refinery or chemical plant, with various pipes, tanks, and structures. The scene is set against a dramatic sunset sky with orange and yellow hues. The image is partially obscured by a dark orange rectangular overlay on the left side, which contains the word 'CONTENTS' in white capital letters.

CONTENTS

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- A faint, stylized illustration of a high-voltage power line tower, rendered in a light orange color, positioned in the bottom right corner of the slide.
1. **AI Nukhba Overview**
 2. **Products and Services**
 3. **AI Nukhba Team**
 4. **Case Studies / Previous Projects**
 5. **Client Feedback**

Al Nukhba Overview

- Founded in 2005 in Dubai, UAE along with multiple operational office in Iraq with total number of employees 350.
- Al Nukhba specializes in oil field services and power generation.
- Al Nukhba's Commercial Office and facilities are both situated in Jebel Ali Free zone Area, Dubai, UAE and in Iraq.
- Al Nukhba currently holds the following Licenses:
 - ISO 9001
 - ISO 14001
 - ISO 22001
 - OHSAS 45001





Al Nukhba Overview

Products and Services

Projects Support

- Material Supply and Equipment Trading
- Manpower Supply Services
- General Rig Audits and Surveys
- Engineering support, studies and calculations

Technical Operations Support

- Technical Training
- Failure Investigation and Root Cause Analysis
- Preventive Maintenance System Development
- Asset Management System Development
- Equipment Maintenance, inspection and testing
- Downtime Analysis And Recording
- Quality Manuals Development
- critical drilling operations and critical equipment maintenance jobs (SOPs, TRAs..etc)

Other Products and Services

- Condition based monitoring services (vibration, temperature, pressure...etc.)
- Logistics
- Warehousing and Storage

Agency Agreements

Some of our partners to date include:

Neptunus

- ALPHA System for Diesel and Gas Engines (overhauling cost saving)
- Tan Delta And RRR filtration Oil Management System (Engines oil change interval extension)
- EMD Engines
- Niigata engines

Sinexcel

- Power Factor Correction and fuel consumption reduction



Products and Services

Projects Support

- **Material Supply and Equipment Trading**

- Diesel and Fuel
- Rig Equipment, Material and spares
- Engine skids fabrication and enclosures

- **Manpower Supply Services**

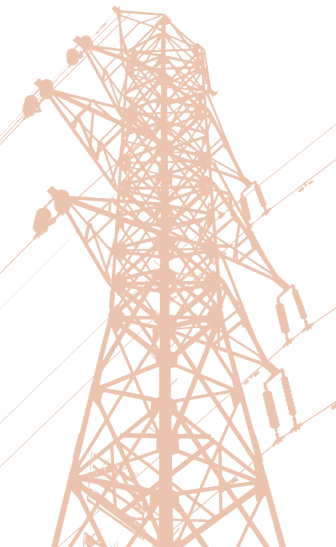
- Equipment Maintenance, inspection and trouble shooting
- Rig Moves Supervision

- **General Rig Audits and Surveys**

- Preventive Maintenance Systems audits
- Quality Management Systems Audits
- Workshop and Vendor Evaluation
- HSE audits
- Rig Surveys and Equipment Condition Assessment (JV with Applus Velosi in North Africa)
- Engineering Surveys
- Inventory Reduction Surveys
- Maintenance and drilling crew Competency assessments

- **Engineering support, studies and calculations**

- Electrical calculations and upgrades (PCRs, SCR, VFD, Instrumentation and Automation)
- Mechanical / structural (Drilling Equipment Calculations, Structure FEA, Hydraulic Calculations)
- Drill String design calculations • well control equipment calculations





Products and Services

Technical Operations

• Technical Training

- Drilling equipment
- Control systems (PLC -SBC - different manufacturers operating system)
- Instrumentation system (different manufacturers)
- Rig inspection workshop
- Well control equipment operation , maintenance and inspection/testing
- Tubular inspection , failure mode analysis and failure prevention
- Risk based inspection
- API standards used in drilling industry
- Stuck pipe prevention
- Fishing tools awareness

• Technical Operations team support

- Various critical drilling operations and critical equipment maintenance jobs (SOPs, TRAs...etc.)
- Equipment maintenance/inspection and testing (checklists, procedures...etc.)
- Quality Manuals development
- Preventive maintenance system development (Manual or software based)
- Asset Management System development / Asset count and transfers control
- Stacking manuals, procedures, and material
- Downtime analysis and recording



Products and Services

- **Failure Investigation and Root Cause Analysis**
 - Drilling equipment failures
 - Safety incidents and near misses
 - Tubular and downhole failures
 - Well control situations and well control equipment failures
 - Operational bad practices



Al Nukhba Rigs Business Team

- Al Nukhba has a strong team supporting projects and technical operations across the Middle East based out of the UAE; with a combined +200 Years of experience in the drilling field globally comprising of:
 - Senior Management (Technical Operations Director, Projects Director and Business Development Director)
 - 1 Senior Engineering Manager
 - 1 Senior Training and Competency Manager
 - 2 Senior Project Managers
 - 1 Senior Structural Engineer
 - 2 Senior QA/QC Engineers
 - Service Support Technicians
 - Drilling Equipment and Mechanical (2 Lead Technicians)
 - Electrical (2 Lead Technician)
- Our team has a strong technical background; all Senior Management are degree qualified in Mechanical and Electrical Engineering who had a long tenure previously working for Weatherford, SLB, Velosi, Lamprell and ADNOC. The Technician's background before this was working for Drilling Contractors / OEM Companies as Mechanical and Electrical Technicians.
- Inspection Procedures, QA/QC Documentation / Checklists can also be provided to foresight team at anytime for review.



Case Studies / Previous Projects

Client: Abraj

Location/Destination: Oman

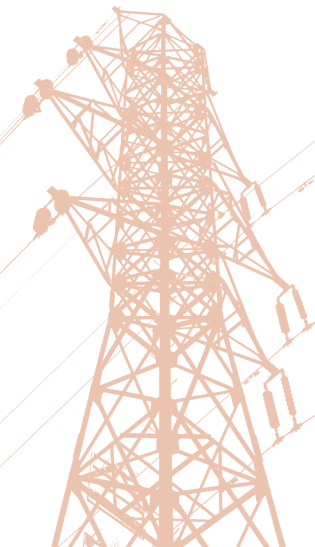
Date: 2020/2019



أبراج لخدمات الطاقة ش.م.ع.م.
Abraj Energy Services S.A.O.C.

List of Projects / scope of work:

- Power Factor Correction Installation for Engines management system and Fuel consumption Reduction) – Q2019 ,2
- Engines Oil Filtration Units for oil system management and oil change interval extension – Q2019 ,2
- Maintenance Management Manual Creation – Q2019 ,3
- Creation of Technical and Operational SOPs for critical equipment and operations – Q2019 ,4
- Creation of Rig Equipment Maintenance work orders and technical task lists – Q2020 ,1
- Creation of Rig Equipment new Inspection Procedures and inspection matrix – Q2020 ,2





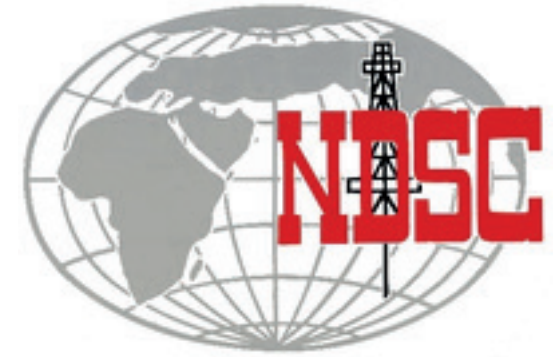
Case Studies / Previous Projects

Client: NDSC

Rig: All rigs

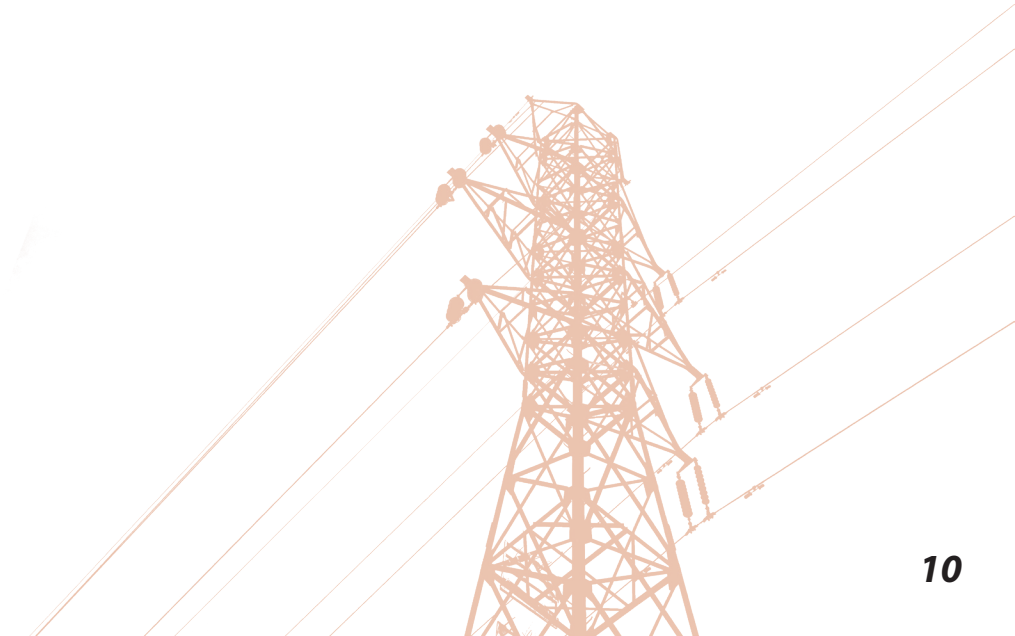
Location/Destination: Oman

Date: 2020/2019



List of Projects / scope of work:

- Competency Assessment Program for drilling and maintenance crew (Junior and Key Positions) as per IADC Requirements – Q2019 ,2
- Maintenance Management Manual creation – Q2019 ,2
- Crane and Forklift Operators Assessment and Training – Q2020 ,3





Case Studies / Previous Projects

Client: ADES

Rig: 828 and 260

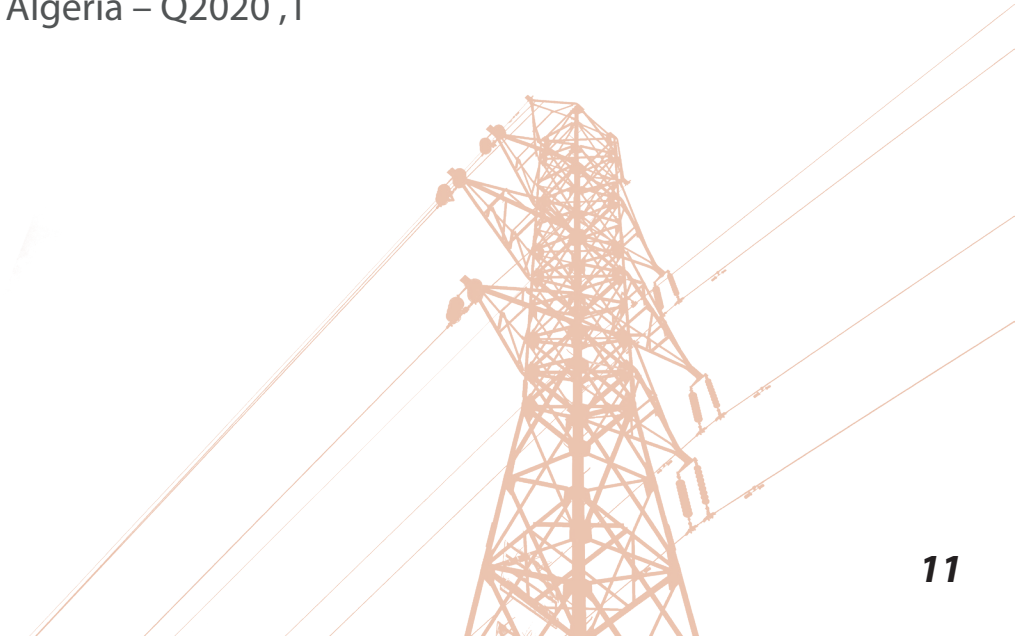
Location/Destination: Algeria

Date: 2020



List of Projects / scope of work:

- Assignment of technical Team to support rig up and rig down for rig 828 in Algeria – Q2020 ,1
- Creation of the Rig Move , Rig up and Rig Down Procedures for Rig 828 In Algeria – Q2020 ,1
- Rig Audit/Survey for ADM 260 Jackup Rig – Q2020 ,2





Case Studies / Previous Projects

Client: NDC Egypt

Rig: All 9 Rigs

Location/Destination: Egypt

Date: 2019/2020



List of Projects / scope of work:

- TDS11 -SA Pre shipping Technical Inspection and Survey in Kuwait – Q2019 ,1
- Equipment Trading and Load Testing (3512B Gensets in UAE) – Q2019 ,2
- Manufacturing of 1000 KVA 600/400V Step up Auto Transformer– Q2019 ,1
- 3 years contract for the below scope – 2019 to 2022
 - Technical Support for Rig Operation and maintenance (Egypt Rigs)
 - SAP Solax System inventory and maintenance management system implementation
 - Creation of Rig Equipment new Inspection Procedures and inspection matrix
 - Creation of Rig Equipment Maintenance work orders and technical task lists
 - Creation of Technical and Operational SOPs for critical equipment and operations



Client Feedback

"All projects provided by Al Nukhba were perfectly executed in a professional and timely manner; specially oil filtration and power factor units supply and installation"

Mustafa Ismail – Maintenance Director

Abraj, Oman

"The maintenance management manual provided by Al Nukhba was done in a very professional way and helped set NDSC on the right track with PDO requirements"

Ahmed Fathy – Maintenance

Manager NDSC, Oman

"Competency assurance program was well done by Al Nukhba Team and helped us accrediting our system to IADC requirements"

Waleed Al Harthi – Quality Manager

NDSC, Oman



Thank You

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