

The background of the slide features a complex industrial facility, likely a refinery or chemical plant, with various towers, pipes, and structural elements. The scene is overlaid with a blue-tinted, semi-transparent effect and numerous blue, spherical bubbles of varying sizes, creating a futuristic or scientific atmosphere. The main title 'An Introduction' is centered in a bold, orange font.

An Introduction

January 2022

PROBUS
ENGINEERING & CONSTRUCTION

INDEX

1. OUR MARKET
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4. OUR CERTIFICATION
5. OUR PQ / ICV
6. OUR SERVICES

1. OUR MARKET

- ✓ The UAE has the seventh largest proven reserves of oil, with most of the reserves located in Abu Dhabi (about 96% of the country total reserves) controlled by the state-owned Abu Dhabi National Oil Company (ADNOC).
- ✓ The global oil and gas EPC market is projected to increase from USD162 billion in 2020 to USD246.5 billion in 2027.
- ✓ ADNOC's medium to long-term strategy is to invest in upstream oil and gas production with an investment of USD40 billion.
- ✓ The UAE has commenced operation of 2 of 4 nuclear reactors providing 2800MW providing clean energy, leading the biggest decarbonization of any Industry in the UAE.
- ✓ The UAE is investing in excess of USD5 billion into LNG/LPG/NGL/Blue Hydrogen technologies in support of the global energy transition.
- ✓ The UAE has Oil/Gas/Energy installed assets in excess of USD 400 billion.



2. OUR TEAM



Kurt Reeves
CEO



Saibaba Vempati
Director Special Projects



Kinan Mawad
Director of Business Services



Satyabhan Thakur
Director of Engineering / Proposals



Houssam Moukanna
Director of Procurement & Subcontracts



Kamal Fayad
Head of HR & Admin



Archil Roland Tigishvili
Director Turnkey Projects



Sabi Karim
Director Construction & Maintenance
SD/TA

3. OUR STANDARD

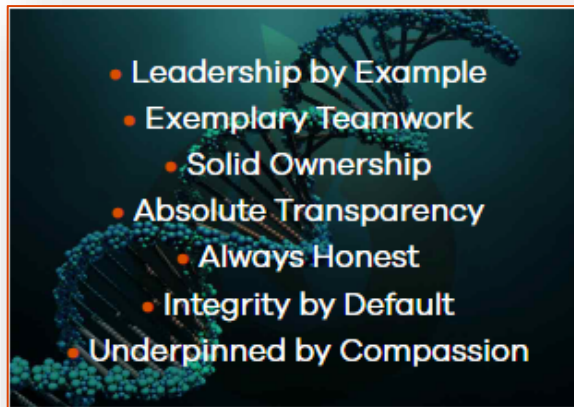
We are true to our name.

Probus [Latin] : Excellent, Good and Honest

We strive to deliver excellence across our range of services, whilst continuously seeking opportunity to learn and improve.

We are good, honest and driven people, highly organised and bound together by the Probus DNA.

Our track record of projects and services delivery demonstrate our commitment to your success. We are agile and flexible with a relentless focus on the safety of all, the quality of delivery, optimised cost and rigours of schedule.



- Leadership by Example
- Exemplary Teamwork
 - Solid Ownership
- Absolute Transparency
 - Always Honest
- Integrity by Default
- Underpinned by Compassion



4. OUR CERTIFICATION

We are a fully ISO certified organisation.

Involvement & Commitment

- ✓ Policies and Procedures
- ✓ Safety Performance Reviews and KPIs
- ✓ Steering Committees and Audits
- ✓ Management Walkthroughs
- ✓ HSE Incentive Programmes
- ✓ HSE Monthly Campaigns

Managing Hazards

- ✓ Training and Development
- ✓ Safety Observation Cards
- ✓ Permit to Work Procedure
- ✓ Activity Risk Assessment and Method Statements
- ✓ Emergency Response Planning
- ✓ HAZID/HAZOP Reviews
- ✓ Incident Investigation and Near-miss Reporting



“ We take our commitment to HSE extremely seriously and, whilst we are immensely proud of our achievements to date, we never rest in our duty of care. ”

Moses Frial Mallo

Head of HSE

4. OUR CERTIFICATION

We are a fully ISO certified organisation.

Involvement & Commitment

- ✓ Policies and Procedures
- ✓ Safety Performance Reviews and KPIs
- ✓ Steering Committees and Audits
- ✓ Management Walkthroughs
- ✓ Incentive Programmes
- ✓ Targeted Campaigns

Managing Conformance

- ✓ Specification Identification and Control
- ✓ Training and Development
- ✓ Observation Procedures
- ✓ Strong Presence



“ We define the quality requirements of all aspects of our projects at an early stage. Whether it be document deliverables, procurement and subcontracting or field work, we understand the benchmarks and aim to beat them. ”

Radhakrishna Vacha

Head of QA/QC

5. OUR PQ / ICV

ADNOC PQ:

Work Group Commodity	Work Group Commodity Code	Work Group	Pre-Qualification Status
2 - Engineering Construction Works (Major Projects)	210 - EPC Works	210070 - Oil and Gas Unit of Plants Onshore - EPC	PQ - Prequalified
2 - Engineering Construction Works (Major Projects)	230 - Civil Works	230060 - Industrial Civil Works	PQ - Prequalified
2 - Engineering Construction Works (Major Projects)	240 - Mechanical Works	240030 - Piping (Metal) Fabrication & Erection Works	PQ - Prequalified
2 - Engineering Construction Works (Major Projects)	240 - Mechanical Works	240130 - Mechanical Equipment - Erection	PQ - Prequalified
2 - Engineering Construction Works (Major Projects)	240 - Mechanical Works	240180 - Oil & Gas Plant Facilities - Construction Works	PQ - Prequalified
2 - Engineering Construction Works (Major Projects)	260 - Electrical Works	260030 - Electrical Works - Industrial	PQ - Prequalified
2 - Engineering Construction Works (Major Projects)	270 - Instrumentation and Telecommunication Works	270020 - Instrumentation and Control Works - Industrial	PQ - Prequalified
3 - Plants Operation & Maintenance Works	310 - Civil Works / Maintenance	310240 - Special Construction (Glazing, Domes, Shell Etc.)	PQ - Prequalified
3 - Plants Operation & Maintenance Works	350 - Instrumentation & Telecom Systems Works / Maintenance	350140 - Instrumentation & Control Works - Maintenance	PQ - Prequalified

Other PQ:

- ✓ ERDB
- ✓ NAWAH Energy
- ✓ Dolphin Energy

5. OUR PQ / ICV

The Abu Dhabi In-Country Value program, pioneered by ADNOC in 2018, is a procurement-led initiative which is designed to achieve optimal value from the UAEs oil and gas resources.

The program delivers In-Country value by focusing on three main objectives:

- ✓ GDP diversification through increased expenditure on a growing variety of local goods and services.
- ✓ Emiratization and personal development opportunities for UAE Nationals in the private sector.
- ✓ The localization of strategic capabilities for critical supply chain functions in the oil and gas industry.

In ADNOC's ICV program, suppliers are expected to provide the ICV related documents in their commercial bids when bidding with ADNOC. ADNOC will consider ICV certification and ICV Improvement Plan (if required as per RFT) during the tender evaluation process.

5. OUR PQ / ICV

We are totally committed to the In-Country Value Programme

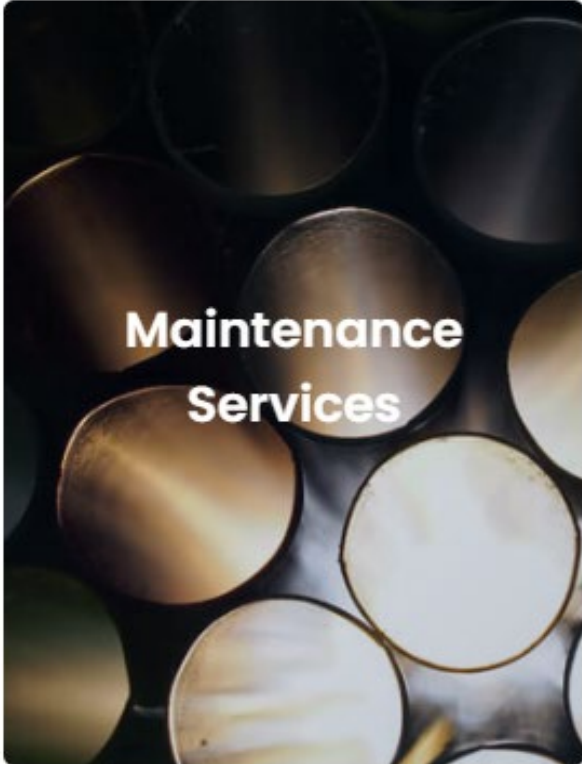
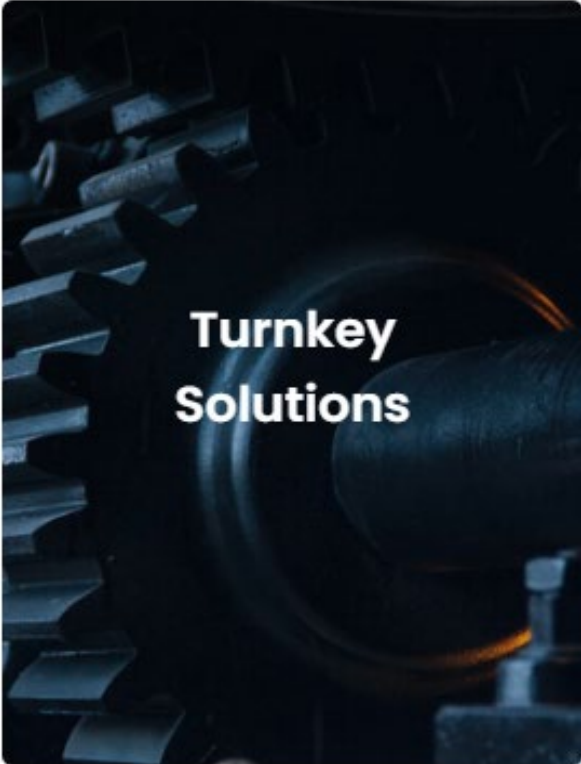
We are focused on achieving our targets through:

- ✓ Capitalizing on the wealth of in-country skills.
- ✓ Maximizing our utilisation of in-country goods and services.
- ✓ Growing our in-country asset base.



“ I'm responsible for identifying opportunities that support our ICV plans. ”
- Fatema Alnuaimi

6. OUR SERVICES



6. OUR SERVICES

We provide an exhaustive range of tailored Asset Integrity Services to the Hydrocarbon and Energy sectors, across the Middle East.

Asset Integrity Services:

1. Turnkey Solutions

We deliver Engineering, Procurement, Construction and Commissioning solutions that include production optimization / enhancement, environmental compliance upgrades and modifications that satisfy evolving safety legislation.

2. Maintenance Services

We provide highly trained leadership, crews and equipment to monitor, inspect, service and repair all component parts of plant and associated upstream / downstream infrastructure.

3. Shutdown / Turnaround

We engage our controls and planning teams early to meet the pressures of rapid and safe plant shutdown/turnaround, providing the full spectrum of resources and materials on time, on budget and to schedule.

6. OUR SERVICES



6. OUR SERVICES

- 3x 25MW Power Stations Project - SOC, Iraq
- Export Gas Compression Station Project - SOC, Iraq
- Water Distillation Unit, Ball Cleaning Project - ADNOC, UAE
- Sulphur Stacker/Reclaimer Revamp Project - ADNOC, UAE
- DEO Custody Transfer Upgrade Project - ADNOC, UAE
- Refinery Fire Protection Systems Replacement Project - ADNOC, UAE

Maintenance
Services

Shutdown
Turnaround

6. OUR SERVICES

1. Turnkey Solutions

We deliver projects on a Turnkey basis.

The execution strategy for Turnkey Projects is as follows:

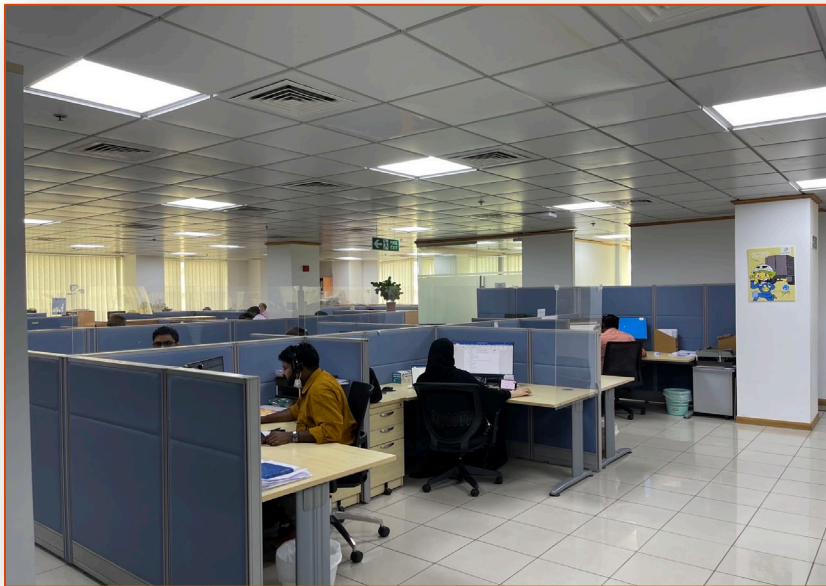
- **Engineering**
All Engineering leadership is by Probus.
- **In house Engineering Leadership Team:**
Engineering Managers.
Project Engineers.
Lead Engineers.

6. OUR SERVICES

Engineering Consultants

Our Leadership Team co-locates to Engineering Consultants offices (Penspen, Tebodin, Petroka).

Our In-house Engineering Consultants are engaged on rates-based contracts to supply office space, hardware, software and engineering manpower.



6. OUR SERVICES

List of Software currently in use across our Projects:

PROCESS ENGINEERING		
Hysis	Process Steady State Simulator	Aspentech
Pipenet	Fire Water Piping Network And Spray/Sprinkler Hydraulic Calculation	Sunrise System
Aspen Flarenet	Flare Network Simulator	Aspentech
Smartplant P&Id	P&Id With Attributes	Intergraph
Pipesim	Pipeline Steady State Simulator	Schlumberger
Aspen Hysys Dynamics	Process Dynamic Simulator	Aspentech
PIPING ENGINEERING		
SmartPlant 3D	3D Modelling System	Intergraph
Caesar II	Piping Structural Analysis	Coade
Microstation	2D CAD System	Bentley
PDMS	3D Modelling Application	Aveva
AutoCAD	2D Modelling Application	Autodesk
MECHANICAL ENGINEERING		
PV Elite	Vessel & Exchanger Design Software	Intergraph
CIVIL & STRUCTURAL ENGINEERING		
Smartplant 3D	3D Modelling System	Intergraph
Microstation	CAS Drawing	Bentley
Auto CAD	CAS Drawing	Autodesk
STAAD Pro	Structural Analysis & Design	Research Engineers International
PDMS	3D Modelling Application	Aveva
INSTRUMENT ENGINEERING		
SmartPlant 3D	3D Modelling System	Intergraph
SmartPlant Instrumentation	Instrument Data Base	Bentley
Microstation	Instrument Drawing	Bentley
PDMS	3D Modelling Application	Aveva
ELECTRICAL ENGINEERING		
SmartPlant 3D	3D Modelling System	Intergraph
SmartPlant Electrical	Electrical Data Base	Intergraph
ETAP	Electrical Transient Analysis	Operation
ACAD	Electrical Drawing	Autodesk
PDMS	3D Modelling Application	Aveva

6. OUR SERVICES

Engineering Consultancy Services (Penspen, Tebodin, Petroka):

Engineering Services Agreement

Engineering Services Agreement

CONTRACT FOR ENGINEERING SERVICES

between

Probus Engineering & Construction Pte. Ltd. – Abu Dhabi

and

Penspen International Limited



For

**DESIGN & CONSTRUCTION LOW VOLTAGE E&I SYSTEMS
FOR HES HARTEL TANK TERMINAL B.V.**

CON-20PEC148-0001

Engineering Services Agreement

August 2020



Engineering Services Agreement

SUBCONTRACT FOR ENGINEERING SERVICES

between

Probus Engineering & Construction Pte. Ltd. – Abu Dhabi

and


Penspen International Limited

For

**UPGRADE OF ADIP TANKS IN RUWAIS TRAIN 1&2
- ADNOC GAS PROCESSING**

June 2022

Engineering Services Agreement



Engineering Services Agreement

SUBCONTRACT FOR ENGINEERING SERVICES

between

Probus Engineering & Construction Pte. Ltd. – Abu Dhabi

and



Penspen International Limited

For

**Ruwais - Up-Gradation of DEO [Ethane (c2)] Flow Meter
Skids in Train - I, II and III**

June 2021

Engineering Services Agreement



6. OUR SERVICES

Procurement

Project	Major European EPC Project in Netherlands
Client	Major European EPC Project in Netherlands
Scope	<p>E&I Detailed engineering & procurement services for Tank Terminal Project.</p> <p>The Tank Terminal is a state-of-the-art terminal that will offer 1.3 million cubic meters of storage capacity for clean petroleum products and biofuels which is specifically designed for blending and mixing operations.</p> <ul style="list-style-type: none"> Detailed engineering services necessary to deliver Issue for Construction (IFC) status engineering documentation associated with the Electrical, Instrument and Automation (EIA).Pre-Order material and equipment purchasing services. The extent of the services covers the identification of client accepted potential suppliers, the issuance of Request for Quotations through to the Technical and Commercial Bid Evaluations and the subsequent Recommendation for Award for each purchase order. Post order services includes issuance of PO on behalf of client, expediting, vendor drawings/documents review/approvals, MRB review and field engineering support. This project includes the Engineering & Procurement of MID Custody transfer flowmeter system- 15 Nos & DCS System. The custody transfer flow metering system is a complete system for loading and unloading of products from barges to tank farm (Vice versa) or product transfer between tank farm and Refinery. The fluid passing through these flowmeters are Butane, Gasoline, Kerosene, Diesel, BP LCO, BP DMA, BP Gasoline and Kerosene. The system includes Meters, Meter Runs, flow computer, Pressure and Temperature measurement, provers, Density Meters and outlet and inlet valves. This package consists of Ultrasonic Liquid Flow meters and Coriolis flow meters.Coriolis Flow Meters, 6'' -300# - 1No,12'' 300# -9 Nos,Ultrasonic Liquid Flow meters,12'' 300# -5 Nos,purchase order for the system has been issued and vendor engineering works commenced. (Make-Krohne) DCS System,The project consists of one Central Control Room (CCR) and 4 nos of I-room Substation buildings. The DCS (integrated PCS +SIS) control System shall be designed and installed in each I-room Substation Building. The Level 3 and Level 4 Control System in Central Control Room is connected via OPC to Level 2 DCS (integrated PCS+SIS) . The DCS (integrated PCS +SIS) Control system shall be installed in the dedicated System cabinet to be located in each substation building.DCS system cabinet (Integrated PCS+SIS)-4 Nos,Remote I/O Panels-23 Nos,DCS Server Cabinet-1 No,Operator Console-4 Nos,Engineering Workstation + Printer - 1 No,Operator Workstation-4 Nos,/O count -2,242 Nos,Make-Siemens.Purchase order for the system has been issued and vendor engineering works commenced.

Procurement Register

Sr No	Item Decscription	Quantity	UOM	Vendor
1.	LV Switch Gears	8	Nos	Natus - Germany
2.	Prefabricated Sub-stations	4	Set	Treysan - Turkey
3.	LV Vital Distribution Panel	4	Nos	Natus - Germany
4.	Mixer Panel	8	Nos	Natus - Germany

6. OUR SERVICES

Procurement

4.	Mixer Panel	8	Nos	Natus - Germany
5.	DCS System	1	Set	PA Solutions - Netherland
6.	LV Power, Control and Earthing Cables	510	Kms	Thermo Cables - India
7.	Electronic Transmitter	309	Nos	ABB - Netherland
8.	Instrument Junction Box	245	Nos	ABC Techniek - Netherland
9.	Instrumentation Cables	221.5	Kms	Thermo Cables - India
10.	Transformers	8	Nos	Natus - Germany
11.	CCTV Coverage Study	1	LS	Aver Solutions - UAE
12.	PAGA Coverage Study	1	LS	Omega Integration - Singapore
13.	TELECOM Cables	65.7	Kms	Ramcro S.p.A - Italy
14.	FIBER OPTIC Cables	60	Kms	Sterlite Technologies - India
15.	CCTV System Hardware and Software	102	Nos	FMJ Rolloos - Netherland
16.	ACCESS Control System	5	Set	FMJ Rolloos - Netherland
17.	PAGA System Hardware and Software	44	Nos	FMJ Rolloos - Netherland
18.	Cable Ladder	27	Kms	R&M Electricals - UK
19.	UPS System	5	Set	Borri Spa - Italy
20.	Tank Gauging Systems	54	Set	Emerson Process - Netherland
21.	MID custody transfer flow package	15	Nos	Krohne - Netherland
22.	Conductivity transmitter	54	Set	ABB - Netherland
23.	MOV Feeder Panel	7	Nos	Natus - Germany
24.	Lighting Fixtures	1,459	Nos	Zumtobel - Netherland
25.	Lighting Fixtures	567	Nos	Cortem - Italy
26.	Sockets, DB, Sokolets	106	Nos	Vimex - Italy
27.	Lighting Switches & Truck unloading	116	Nos	Vimex - Italy
28.	Cable Glands & Accessories	50,500	Nos	R&M Electricals - UK
29.	E-Nose System	1	Set	Comon Invent B.V - Netherland
30.	Electrical Junction Boxes & Power Distribution Panels	4,367	Nos	Cortem - Italy
31.	RCU	265	Nos	Cortem - Italy
32.	MV Termination Kit	4	Nos	Elcon - Italy
33.	Emergency Diesel Generator	1	Set	Engie Electroproject - Netherland
34.	Level Switches	54	Nos	ABB - Netherland
35.	Weather Station	1	Set	Observator - Netherland

6. OUR SERVICES

Procurement

36.	Ultra-sonic Non-Intrusive Flow meters	3	Nos	Siemens - Netherland
37.	Overarching System	1	Set	Inter nl - Netherland
38.	Lighting Poles	836	Nos	VDL Mast - Netherland
39.	Telecom Poles	87	Nos	FMJ Rolloos - Netherland
40.	Lighting and Small Power DP's Panel(Natus & VNV)	12	Nos	VNV Techniek - Netherland
41.	Telecom Bulk Material	1	LS	FMJ Rolloos - Netherland

Project	Ruwais-Upgradation of DEO [ETHANE (C2)] Flowmeter skids in Train I,II and III Project No 0500750
Client	ADNOC Gas Processing
Scope	<p>Upgrading of Train, I, II & III existing Custody measurement system to ensure high accuracy / low uncertainty readings.</p> <ul style="list-style-type: none"> TRAIN I & II Provide new cross over piping between the two existing meter runs with five number of isolations MOV to make it 'Z' configuration. Provide five number of new MOV's. Provide two number ultrasonic flowmeters with new upstream (straight length 20D) and downstream spool pieces. Provide the new metering control panel with flow computer and redundant supervisory control system, proving PLC system, and interface to the existing Plant DCS. Convert the existing auto sampler to online Gas Chromatograph (GC) for continuous gas composition measurement for live density calculation. TRAIN III Provide completely new metering skid with two-meter runs (2 X 100%) piping along with isolation and cross over arrangement through five MOV's installed in Z configuration to be used as standby as well as master meter during proving. All required primary and secondary instruments, GC, MOV with seat integrity testing required for the Custody measurement system shall be provided. Provide new online GC for continuous gas composition measurement for live density calculation. Provide new metering control panel with flow computers, redundant supervisory control system proving PLC system and interface to the existing Plant DCS.

Procurement Register

Sr No	Item Decsription	Quantity	UOM	Vendor
1.	Metering skid with two-meter runs (20'-2 X 100%) (Inclusive of ultrasonic flow meters, MOV's,Transmitters etc)	1	No	Emerson, Dubai
2.	Ultrasonic Flow meters	2	Nos	Emerson, Dubai

6. OUR SERVICES

Procurement

3.	Motor Operated Valve	5	Nos	Emerson, Dubai
4.	Gas Chromatograph	2	Nos	Emerson, Dubai
5.	Pressure Transmitters	2	Nos	Emerson, Dubai
6.	Temperature Transmitters	2	Nos	Emerson, Dubai
7.	MOV Distribution Board	2	Nos	Emerson, Dubai
8.	Modification in Control Systems (DCS/ESD/FGS)	2	Set	Yokogawa
9.	VESDA System Modification	2	Set	Tyco, Abu Dhabi
10.	Pipes and Fittings	1	LS	Arabian Pipeline
11.	Ball Valves	6	Nos	New Way Valve
12.	Electrical Power & Control Cables	3,175	Meters	Elsewedy Electric
13.	Light Fittings	7	Nos	Cortem
14.	Electrical Bulk Items	1	LS	Cortem
15.	Pole Mounted Street Lights	1	No	Technopole
16.	Cable Glands	305	Nos	Cortem
17.	Instrumentation Junction Boxes	4	Nos	Cortem
18.	Instrument Tubes & Tube Fittings	1	LS	ESMA Industrial
19.	Instrument and F&G Cables	21,000	Meters	Elsewedy Electric
20.	Communication Cables	4,500	Meters	Ramcro, Italy
21.	Instrument MCTs & Accessories	2	Nos	Roxtec

6. OUR SERVICES

Construction

- ✓ Construction leadership is executed in-house.
- ✓ Construction direct manpower is executed using a mix of in-house manpower/supplier manpower/subcontractors.
- ✓ HSE/QAQC services are executed in-house.
- ✓ Site offices/laydown yards located in Ruwais/Musaffah/Bab/Habshan/Asab areas.



6. OUR SERVICES

The image displays three service categories in a row, each with a distinct background image and text. The first card, 'Turnkey Solutions', features a background of interlocking gears. The second card, 'Maintenance Services', shows a close-up of several metal pipes. The third card, 'Shutdown Turnaround', depicts a large industrial valve with technical markings such as '14 BAR / 198°C', '32 BAR C.W.P.', and 'MADE IN GREAT BRITAIN'.

Turnkey
Solutions

Maintenance
Services

Shutdown
Turnaround

6. OUR SERVICES

Turnkey Solutions

- Cross Country Pipelines Inspection and Repair - ADNOC, UAE
- Storage Tanks Maintenance and Repair - ADNOC, UAE
- Wellhead Monitoring (Sustained Annulus Pressures) - ADNOC, UAE

Shutdown Turnaround

6. OUR SERVICES

Maintenance

- ✓ Maintenance leadership, technical crews, equipment and vehicles are executed in-house.
- ✓ HSE/QAQC services are executed in-house.
- ✓ Site offices/laydown yards located in Ruwais/Musaffah/Bab/Habshan/Asab/NEB/SQM areas.



6. OUR SERVICES

The image consists of three vertical panels. The first panel on the left has a background of a grey, textured surface with white, angular shapes, and the text "Turnkey Solutions" is centered in white. The middle panel has a background of several circular, metallic-looking objects, and the text "Maintenance Services" is centered in white. The third panel on the right is a close-up photograph of a red, lattice-patterned valve handle with a white circular label in the center. The label contains technical specifications: "14 BAR / 198°C", "32 BAR C.W.P.", "SHUT" with arrows, and "MADE IN GREAT BRITAIN". The text "Shutdown / Turnaround" is overlaid on the right side of the valve handle in white.

6. OUR SERVICES

Turnkey Solutions

Maintenance Services

- Refinery Modification and Upgrade - ADNOC, UAE
- Boiler Tube Replacement - ADNOC, UAE
- Water Distillation Unit, Ball Cleaning Project - ADNOC, UAE
- Sulphur Recovery Unit, Process Piping Welding - ADNOC, UAE
- Sulphur Stacker/Reclaimer E/I Interface Upgrade - ADNOC, UAE

6. OUR SERVICES

References

PREVIOUS EXPERIENCES-PROJECTS IN ADNOC GROUP OF COMPANIES



Sl. No.	Project Title	Description of Project	Ultimate Client Country	Role [Main Contractor/J/Partner/Subcontractor]	Type of Contract	Work Scope	Contract Value (USD) Original/Final	Start Date	Completion Date [Scheduled/Actual]
1	Shut Down & Post Shut Down works in Borouge 2	Shut down and post shut down works for mobilize, and execute the complete dismantling & removal work of damaged boiler A in Borouge 2	Borouge UAE	Main Contractor	Unit Rate	Shutdown	2,400,000	Mar-16	Completed Nov-16
2	Upgrade of Plant Handling in Borouge	Provision of manpower, supervision, consumables, tools and tackles to carry out fabrication and installation of Monorail, blasting, galvanizing & Painting and scaffolding works	Borouge UAE	Main Contractor	Lump Sum	Shutdown	72,546	Feb-16	Completed Nov-16
3	Carbon Black & Delayed Coker (CBDC) Project	Manpower Supply for Electrical Works	ADNOC Refining UAE	Subcontractor	Unit Rate	Services	272,480	Jan-18	Completed May-18
4	Plant Modifications in Condensate and Gasoline Units During Turnaround 2019 at Ruwais Refinery (EAST)	Engineering, procurement, supply, fabrication/construction, necessary modifications to the existing facilities, testing and commissioning including all associated civil, structural, mechanical, piping, instrumentation, control systems, DCS works, etc. associated with the plant modifications.	ADNOC Refining UAE	Main Contractor	Lump Sum	Turnkey	1,438,860	Jul-18	Completed July-19
5	Naptha Reformate Pipeline (10inch) Excavation and repair in Supply chain Division	Site preparation and excavation up to 9m to expose the Pipeline and perform the repair on 10" pipeline	ADNOC Refining UAE	Main Contractor	Lump Sum	Turnkey	474,387	Sep-19	Completed Jan-2020
6	Replacement of Ball Cleaning Systems for MSF-3 at GUP of Ruwais Refinery (EAST)	Engineering, Procurement, supply, construction, demolition and commissioning of new Ball cleaning system and modification of associated control system.	ADNOC Refining UAE	Main Contractor	Lump Sum	Turnkey	1,307,595	Jun-18	Completed Feb-2020
7	Supply and Installation of Prefabricated GYM and Play court at Mussafah Terminal	Engineering, Procurement and construction of single story GYM building, Locker room and Prayer Room. The Scope of Work broadly consists of engineering, procurement, construction and interior fit out of Building size 34 m x 8 m single story housing Gym/locker room, Air Conditioning, Fire Alarm systems, Mosque with Ablution and Toilet Facilities.	ADNOC Refining UAE	Main Contractor	Lump Sum	Turnkey	271,899	Aug-19	Completed Apr-2020
8	Cross Country Pipeline Maintenance Contract for Supply Chain	The Scope of Work comprises of, tap off and delivery locations maintenance, urgent/routine pipeline repair/maintenance, facilitates inspection of underground/above ground pipes and its associate components (valves, fittings etc.), handling of all civil & mechanical associated works within the vicinity of the pipelines (but not limited to) including supply of all required manpower, supervision, materials, plant, equipment, machinery, tools, handling & storage, transportation and facilities for completing the work.	ADNOC Refining UAE	Main Contractor	Unit Rate	Maintenance	4,087,193	Nov-17	Completed Dec-2020
9	Retrofit and Upgrade of Ruwais SHT-2 Stackers and Reclaimers on EPC Basis	scope shall include the upgrade and retrofit of under-designed items like blades, rollers, guides, chains, etc. as detailed in the RCA Reports.	ADNOC Gas Processing UAE	Subcontractor	Lump sum	PMIC	1,000,000	Feb-19	Completed July-2021
10	Balance works for Improvement of Manual firewater sprinkler system in Hydro skimmer and Hydrocracker units at Ruwais Refinery East	Improvement of existing Fire Protection System (Fire water Sprinkler and other protection systems) in Hydro skimmer and Hydrocracker process units in Ruwais Refinery East by performing residual engineering procurement supply installation/construction, pre-commissioning and commissioning.	ADNOC Refining UAE	Main Contractor	Lump Sum	Turnkey	4,441,417	Sep-19	Completed June-2021
11	Mussafah Renovation & Various Jetty Modification Project LOT1: Modification of Sports Complex (A WH-04) LOT2: Face Lift of Security Offices & Time Office Building AB-71, AB-04, AB-79 & AB-03 LOT3: Main Office Reception (AB-01) LOT4: Modification of Existing Rest Room (AB-11) and Tackle Store (AB-21) LOT5: Modification Works at Existing Control Tower	LOT 1: Interior Design & Construction & Fit out Works LOT 2: Exterior design & construction, fit outs associated mechanical & electrical works including complete exterior works. LOT 3: Interior Design & construction, fit outs associated MEP works including complete Interior works. LOT4: Modification of existing Rest Room (AB-11) and Tackle Store (AB-21) into worker's welfare facility including demolition works, civil works, electrical and mechanical works. LOT5: Supply and Installation of Elevator with Approx. 500 Kg in capacity, machine less at top. The scope of work includes, fit out works, building modification works, Electrical Works, MEP works, Fire Alarm, Fire Fighting & HVAC systems.	ADNOC Logistics & Services UAE	Main Contractor	Lump Sum	Turnkey	2,126,516	Oct-19	Completed July-2021
12	Long term agreement for restoration of settled foundations in BOU Plant area in RR-East on call out basis	Scope includes mobilization of specialized nominated subcontractor. Supply of specialized Polymers/chemicals & application of polymer injection under controlled conditions around and below the settled/affected foundations. Scope also covers site preparation, protection and continuous monitoring of Underground / nearby facilities.	ADNOC Refining UAE	Main Contractor	Unit Rate	Maintenance	1,880,109	Feb-20	Ongoing Feb-2022
13	Tube Replacement in 13 Unit Heater at RRE	The scope covers Shutdown works for Emergency repair work of Hydro skimmer plant Unit 13 Heaters 13-B-01/B-02 and B-03. The scope includes replacement of Radiant coils of heater 13-B-01, 13-B-02 and 13-B-03 and repair of refractory	ADNOC Refining UAE	Main Contractor	Lump Sum	Shutdown	413,600	Aug-20	Completed Oct-2020

6. OUR SERVICES

References

PREVIOUS EXPERIENCES-PROJECTS IN ADNOC GROUP OF COMPANIES



Sl. No.	Project Title	Description of Project	Ultimate Client Country	Role (Main Contractor/N/Partner/Subcontractor)	Type of Contract	Work Scope	Contract Value (USD) Original/Final	Start Date	Completion Date (Scheduled/Actual)
14	Integrated Logistics Operations Center AB-02	The scope of works include design, engineering, procurement, construction, installation, testing & commissioning, handover in approved working condition and thereafter maintenance and warranty of AB-02 Integrated Logistics Command Center including all associated civil, mechanical, electrical and IT works. The scope of work includes , fit out works, Electrical Works, MEP works, Fire Alarm systems & HVAC systems.	ADNOC Logistics & Services UAE	Main Contractor	Lump Sum	Turnkey	679,888	Sep-20	Completed June-2021
15	Provision of Well Integrity Services including Wellhead Monitoring, Sustained Annulus Pressures (SAP) Confirmation, Investigation, Pressure Bleed offs and related activities for Well Integrity Management	Scope Includes supply of manpower, hand tools, accommodation, food, safety equipment, transportation etc. required for performing Wellhead Pressure Monitoring and reporting the data as per the monitoring frequency ,SAP Investigation & Confirmation as per the SAP monitoring procedures, Pressure Bleed-Down/Build-Up Diagnostic Tests as per the SAP Monitoring procedure, Wellhead Cellar monitoring & cellar bubbles monitoring (shallow water table, suspected gas, etc.),Accompany the specialized Wellhead service companies e.g. for seal tests etc. Collect the effluent liquids and obtaining samples for onward delivery to BAB Laboratory for laboratory analysis, Carry out gas test prior job commencement to assess the area safety. Any other a ctivity related to Well integrity monitoring and evaluation	ADNOC Onshore UAE	Main Contractor	Unit Rate	Maintenance	3,745,154	Sep-20	Ongoing Sep-2023
16	Piping Erection Work In ISBL of Sulphur Recovery Unit(Unit 106) Replacement at Ruwais Refinery Project	Sulphur Recovery Unit (Unit 106) Replacement at Ruwais Refinery Project	ADNOC Refining UAE	Subcontractor	Unit Rate	Turnkey	2,277,441	Sep-20	Completed Sep-2021
17	Structural/Mechanical Repair 2xStacker Reclaimer SR2200 Ruwais SHT2	Removal and replacement of damaged bushes and commissioning of chain/rake/link system.	ADNOC Gas Processing UAE	Subcontractor	Lump Sum	Maintenance	1,342,894	Mar-21	Completed May 2021
18	Ruwais-Upgrade of DEG [ETHANE (C2)] Flowmeter skids in Train I,II and III Project No 0500750	Upgrading of Train I, II & III existing Custody measurement system to ensure high accuracy / low uncertainty readings. TRAIN I & II Provide new cross over piping between the two existing meter runs with five number of isolations MOV to make it 'Z' configuration. Provide five number of new MOV's. Provide two number ultrasonic flowmeters with new upstream (straight length 20D) and downstream spool pieces. Provide the new metering control panel with flow computer and redundant supervisory control system, proving PLC system, and interface to the existing Plant DCS. Convert the existing auto sampler to online Gas Chromatograph (GC) for continuous gas composition measurement for live density calculation. TRAIN III Provide completely new metering skid with two-meter runs (2 X 100%) piping along with isolation and cross over arrangement through five MOV's installed in Z configuration to be used as standby as well as master meter during proving. All required primary and secondary instruments, GC, MOV with seat integrity testing required for the Custody measurement system shall be provided. Provide new online GC for continuous gas composition measurement for live density calculation. Provide new metering control panel with flow computers, redundant supervisory control system proving PLC system and interface to the existing Plant DCS.	ADNOC Gas Processing UAE	Main Contractor	Lump Sum	Turnkey	5,904,901	Jun-21	Ongoing Nov 2023
19	Cleaning, Inspection and Repair of 04 Nos. of Storage Tanks at Mussafah Terminal	This Scope of Works includes isolation, cleaning, supply & erection of scaffolding for inspection, dismantling of damaged items including attachment and appurtenances, supply of material, fabrication, erection, installation, stage wise inspection, repair as per inspection recommendation, testing, blast cleaning, painting, calibration etc.	ADNOC Refining UAE	Main Contractor	Unit Rate	Maintenance	2,146,130	Jun-21	Ongoing May 2023
20	Piping Erection for Habshan 5 De-Bottlenecking for Associated Gas Project No. 5324	The scope includes piping erection works (including erection, welding, threaded joints, bolting, etc.) at unit 514 and unit 510 of Habshan-5 De-Bottlenecking for Associated Gas Project Welding Scope – 14,200 W/D Erection Scope – 13,900 LM	ADNOC Gas Processing UAE	Subcontractor	Unit Rate	Turnkey	3,269,755	Aug-21	Ongoing Jan 2022
21	E&I Interface for Retrofit and Upgrade of Ruwais SHT-2 Stackers and Reclaimers	Carry out E&I interface installation and support services for precommissioning and commissioning for following main systems. -Hydraulic Tensioning system -Lubrication system -Spillage conveyor system -Vibration monitoring system -Pile management sensor -Gear Box Temperature sensor	ADNOC Gas Processing UAE	Subcontractor	Lump Sum	Maintenance	920,000	Aug-21	Ongoing Feb 2022
22	Structural/Mechanical Repair 2xStacker Reclaimer SR3200 Ruwais SHT2	Removal and replacement of damaged bushes and commissioning of chain/rake/link system.	ADNOC Gas Processing UAE	Subcontractor	Lump Sum	Maintenance	1,145,167	Dec-21	Ongoing Feb 2022
23	long term agreement for restoration of settled foundations in BOU Plant area in RR-East	Scope includes mobilization of specialized nominated subcontractor. Supply of specialized Polymers/chemicals & application of polymer injection under controlled conditions around and below the settled/affected foundations. Scope also covers site preparation, protection and continuous monitoring of Underground / nearby facilities.	ADNOC Refining UAE	Main Contractor	Lump Sum	Maintenance	3,760,218	Feb-22	Ongoing Feb 2027

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PREVIOUS EXPERIENCES-PROJECTS IN ADNOC GROUP OF COMPANIES



Sl. No.	Project Title	Description of Project	Ultimate Client Country	Role (Main Contractor/Partner/Subcontractor)	Type of Contract	Work Scope	Contract Value (USD) Original/Final	Start Date	Completion Date (Scheduled/Actual)
24	Upgrade of ADIP Tanks in Ruwais Train 1 & 2 Project No. 0508203	<p>Engineering, Procurement, Construction and Commissioning of new ADIP drain vessels dedicated only for ADIP drainage/waste and segregate it from the ADIP storage tank (5D-154). This is required to avoid contamination of lean solvent inventory in ADIP storage tank with rich solvent. The scope of work includes the following:</p> <p>New ADIP Drain vessels /sumps for collecting Rich ADIP drains, one in each train, to be designed as per unit licensors design standard package including drain to SWS, with concrete pit.</p> <p>New Filtration system downstream the vessel.</p> <p>ADIP Drained Pumps (1W for each train+1S for both the train 5G-186/286 A/B) in each train with Motor (Mounted on Vessel).</p> <p>(1W+1S) Nos of Horizontal ADIP Storage Tank Pumps (5G-188 A/B) with motors, common for both trains.</p> <p>Associated Piping and instrumentation including connections to Flare, Tie Ins, Hot Tapping, etc.</p> <p>Electrical cabling works and switch gear modifications.</p> <p>Instrumentation cabling works.</p> <p>DCS/ESD/F&G Modifications.</p> <p>Demolition of existing tank and existing facilities.</p> <p>Commissioning of the system.</p>	ADNOC Gas Processing UAE	Main Contractor	Lump Sum	Turnkey	6,342,084	Apr-22	Apr-24
25	MTC - RTP Pipeline in Water Injection & Hydrocarbon Service Applications	<p>The project scope consists of topographic survey, residual engineering including preparation of route plan, alignment drawings, construction drawings, etc, laying of RTP flowline, construction of berm, road crossings, tie-ins and hydrotest of the entire flowline.</p> <p>Below are the details of the flowlines:</p> <p>Water Injection Service:</p> <ol style="list-style-type: none"> BB-236 6" 1500# 1.7 km <p>Hydrocarbon Service:</p> <ol style="list-style-type: none"> SB-326 6" 1500# 2.9 km SB-363 6" 1500# 1.6 km 	ADNOC Onshore UAE	Subcontractor	Lump Sum	Turnkey	1,117,631	Apr-22	Ongoing Oct-23
26	Maintenance of Big Flow Monitoring System for P&TOD ADNOC Refining	<p>The service shall cover all preventive and corrective maintenance for the Big Flow Foam Monitoring System (BFFMS) and call-off works for Diesel Engines, Fire vehicles (three fire vehicles and one Rapid Intervention Vehicle) and the Boom truck vehicle (1 No) and vehicles. For vehicle repair and fire system repair on the Fire trucks, the service shall be obtained only by the vehicle manufacturer and the original fire system supplier.</p> <p>CONTRACTOR shall provide the COMPANY the full resources indicated in the Bill of Quantity who are competent and capable to carry out all required function job in the Big flow system</p>	ADNOC Refining UAE	Main Contractor	Unit Rate	Maintenance	1,848,199	Jun-22	Jun-27
27	Habshan /Bab and Habshan-5 Heaters Burner Management System Upgrade Project No. 0401508	<p>The PROJECT involves the modification of existing Heaters and upgrade of existing Burner Management systems complying with the international standards and COMPANY specifications (AGES/DGS) for the Heaters as listed below.</p> <p>14-B-501 at Bab Plant</p> <p>42-ME-101-H1, 43-ME-101-H1, 44-ME-101-H1 at Habshan-1</p> <p>340-H-101, 341-H-101 at Habshan-3</p> <p>540-ME-101, 541-ME-101 at Habshan-5</p>	ADNOC Gas Processing UAE	Main Contractor	Lump sum	Turnkey	17,086,766	Jul-22	Sep-26

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References

PREVIOUS EXPERIENCES-PROJECTS WITHIN UAE/GCC (OTHER THAN ADNOC GROUP)

Sl. No.	Project Title	Description of Project	Ultimate Client Country	Role (Main Contractor/JV/Partner/Subcontractor)	Type of Contract	Work Scope	Contract Value (USD) Original/Final	Start Date	Completion Date (Scheduled/ Actual)
1	Supply and Installation of line side Drainage Pipes along the Railway Track	Installation of 240 numbers line side drains, stretching over a length of approximately 150 KM from Tarif to Shah Area in Abu Dhabi (one drain pipe every 1 to 3 km approx. on each side of the track). Supply and Installation of 630mm Dia x 11 Mtrs Long HDPE Pipes (240 Nos).Horizontal direction drilling machines shall be used to Drill the Berms.	Etihaad Rail DB UAE	Main Contractor	Lump Sum	Turnkey	1,307,902	Sep-17	Completed Jan-18
2	LPG Importation and Handling Facility	LPG Terminal intended to receive bulk LPG by ship, offload, transfer, store and distribute by road tankers. Capacity around 6000-8000 tons, two or three spheres installed within the plant area	UAE	Main Engineering Contractor	Lump Sum	FEED	216,000	Aug-16	Completed Nov-17
3	Engineering Study - Gas and Condensate Pipelines	Study, Review and Approval of Pipeline deliverables for Condensate and Gas Pipelines	UAE	PMC Engineering Contractor	Lump Sum	PMC	16,000	May-17	Completed Oct-17
4	Coke Calciner Project	FEED & EPC for 2 x 225,000 TPA Plant for calcined coke from green pet coke at Sohar Oman	Tawfiq Coke Prodcuts Oman	PMC Contractor	Lump Sum	PMC	350,000,000	Jun-19	Jun-22
5	Development of a Facility for Treating Animal Waste and Converting it into Raw Materials in the City of Al Ain	Probus shall be fully responsible for the development and execution of Engineering, Procurement & Construction scope of works for the development of slaughterhouse waste rendering plant in line with the project requirements. As part of the project scope, Probus shall provide the following services: 1. Topo Survey 2. Geotechnical Investigation 3. Detail Engineering 4. Authority approvals for construction 5. Procurement of Plant Equipment's 6. Construction	Tarheel Collecting Waste LLC UAE	Main Contractor	Lump Sum	Turnkey	6,006,267	Mar-22	Ongoing Apr-23

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PREVIOUS EXPERIENCES-INTERNATIONAL OIL AND GAS COMPANIES, WORLDWIDE



Sl. No.	Project Title	Description of Project	Ultimate Client Country	Role (Main Contractor/JV/Partner/Subcontractor)	Type of Contract	Work Scope	Contract Value (USD) Original/Final	Start Date	Completion Date (Scheduled/Actual)
1	HES Hartel Tank Terminal Project	E&I Detailed engineering & procurement services for HES Tank Terminal Project. The HES Hartel Tank Terminal in the Port of Rotterdam is a state-of-the-art terminal that will offer 1.3 million cubic metres of storage capacity for clean petroleum products and biofuels which is specifically designed for blending and mixing operations.	HES International Rotterdam, Netherlands.	Main Engineering Contractor	Lump Sum	E&I Detailed Engineering & Procurement Services	4,266,089	Jun-20	Ongoing May-21

Projects

Our completed and on-going projects.



Projects & services overview.

25

Key projects
completed

1,603,545

Manhours
2020/2022

1,603,545

Manhours
without LTI 2020/2022

9

Active
Sites



THANK YOU