



Projects Shaping Our Tomorrow

Project Management





Agenda

- PM Vision & Mission
- Portfolio & Business Opportunities
- Contracts and General Bid Slates
- Registration & Qualification

Project Management

PM Vision &
Mission

Portfolio & Business
Opportunities

Contracts and General
Bid Slates

Project Execution
Enablers

Vision

To be the Global Benchmark for Sustained Excellence in Capital Program Delivery by 2025.

Mission

- Develop and Retain Workforce
- Leverage Best Practices
- Drive Operation Excellence
- Forge Strategic Partnerships



Portfolio & Business Opportunities

Project Market Condition

Covid 19 Global Pandemic



Lockdowns



Travel
Restriction



Supply Chain
Distribution



Material Price
Escalation

Project CAPEX 2022 vs 2020



13% Increase
in Global
project CAPEX



40% Increase
in Kingdom
Project CAPEX



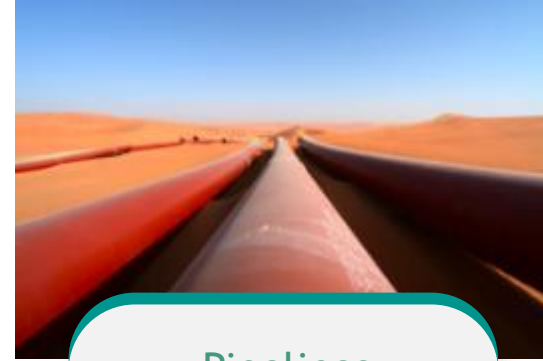
Saudi Aramco Projects Portfolio



Oil and Gas



Petrochemicals



Pipelines



Offshore/Marine



Civil
Infrastructure



Electrical &
Instrumentation

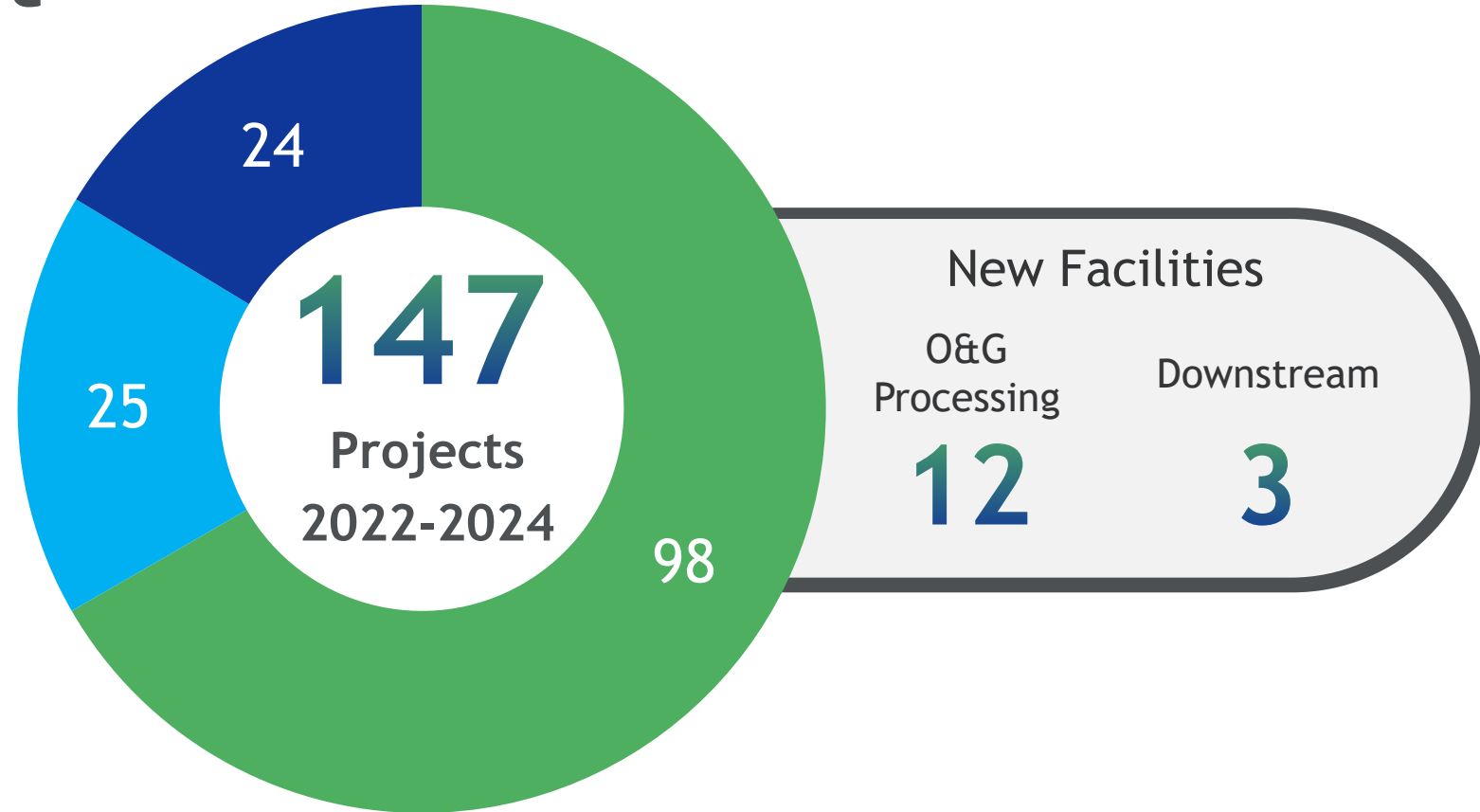


Buildings
and Housing

3 Years Projects Forecast

Total Count by Project Type

- Oil & Gas Petrochemicals and Carbon Capture
- Civil, Infrastructure and Site Development
- Electrical, Communication and Security



Fill & Compact
60 million m³



Concrete
2.5 million m³



CS Pipes
12,000 KM



Cables (HV, MV & LV)
20,000 KM

Future Projects by 2022



Gas Processing

- Abqaiq Debottleneck Production Facilities
- Install C3/C4 Refrigeration Units And Storage Tanks - Ju'aymah
- Jafurah Development Program: Cogeneration & Seawater Desalination Plants



Oil Processing

- Upgrade Sulfur Recovery Units - Berri Gas Plant, Ras Tanura & Riyadh Refineries
- Central Arabia Development - Hawtah



Pipelines & Distribution

- Vapor Recovery Units At Bulk Plants - Phase II
- Onshore Maintain Potential Facilities
- Unconventional Gas Maintain Potential Facilities
- Increase AM Crude Supply To Ras Tanura



Utilities / Infrastructure

- Corporate Academy - Dhahran
- Prepare Drill Sites - Qatif Field
- Upgrade Fire Protection And Industrial Drainage Systems, Phase II - Western Region
- Zuluf AH Development - Water Treatment Facilities



Offshore Facility

- Offshore Maintain Potential Facilities
- Expand Marine Terminal - Ju'aymah NGL Fractionation



Digital Transformation

- Enterprise Project Management Center
- Integrated Hydrocarbon Planning, Sales, And Supply System

Future Projects by 2023



Gas Processing

- Jafurah Development Program: NGL Fractionation Facilities Phase II, Jafurah Gas Phase II
- Safaniyah AH Development - Tanajib Gas Plant Expansion
- Marjan Gas Lift Facilities
- Upgrade Sulfur Recovery Units - Uthmaniyah & Shedgum Gas plants
- Manifa AH Development - Khursaniyah Gas



Utilities / Infrastructure

- Safaniyah AH Development: RO Desalination Plant, Cogeneration Power Plant
- Manifa AH Development: Water Supply Facilities, Drilling Islands, Khursaniyah & Tanajib RO Expansion
- Debottleneck Produced Water Handling System - Khurais



Oil Processing

- Safaniyah AH Development: Onshore Oil Facilities, Produced Water & Treatment Facilities, Terminal Onshore Facilities
- Manifa AH Development - Onshore Oil Facilities



Offshore Facility

- Offshore Maintain Potential Facilities
- Safaniyah AH Development: Offshore Water Injection & Terminal Offshore Facilities
- Upgrade AM Crude Platforms - Zuluf
- Manifa - Upstream Oil Facilities



Pipelines & Distribution

- Safaniyah AH Development, Jafurah Development Program and Manifa AH Development: Downstream Pipelines
- Master Gas System Expansion - Phase III
- Onshore Maintain Potential Facilities
- Manifa - Downstream Pipelines



Carbon Capture & Sequestration CCUS

- Carbon Capture & Sequestration - Northern Area Hub

Future Projects by 2024



Gas Processing

- Field Gas Compression, Uthmaniyah & Shedgum
- Upgrade Sulfur Recovery Units Haradh Gas Plant & Hawiyah



Oil Processing

- Residue Upgrade - Ras Tanura
- Crude Stabilization - Shaybah
- Zuluf Onshore Process Debottleneck
- Debottleneck Haradh Produced Water Handling System - Phase I
- Install Sulfur Recovery Unit Train - Riyadh Refinery



Pipelines & Distribution

- Refined Products Pipeline Qassim-jouf
- Upgrade Non-scrappable Pipelines For Marjan
- Onshore Maintain Potential Facilities
- Unconventional Gas Maintain Potential Facilities



Utilities / Infrastructure

- Bachelor Camps - Safaniyah And Manifa
- Replace The Deteriorated Slab Deck Concrete Of Berths At YR Marine Terminal
- Upgrade Abu Ali Pier



Offshore Facility

- Safaniyah AH Development: Offshore Oil & Water Injection, Terminal Offshore Facilities
- Offshore Maintain Potential Facilities
- Manifa AH Development: Offshore Oil Facilities, Offshore Water Injection
- Upgrade AM Crude Platforms - Zuluf



Blue Ammonia & CCUS

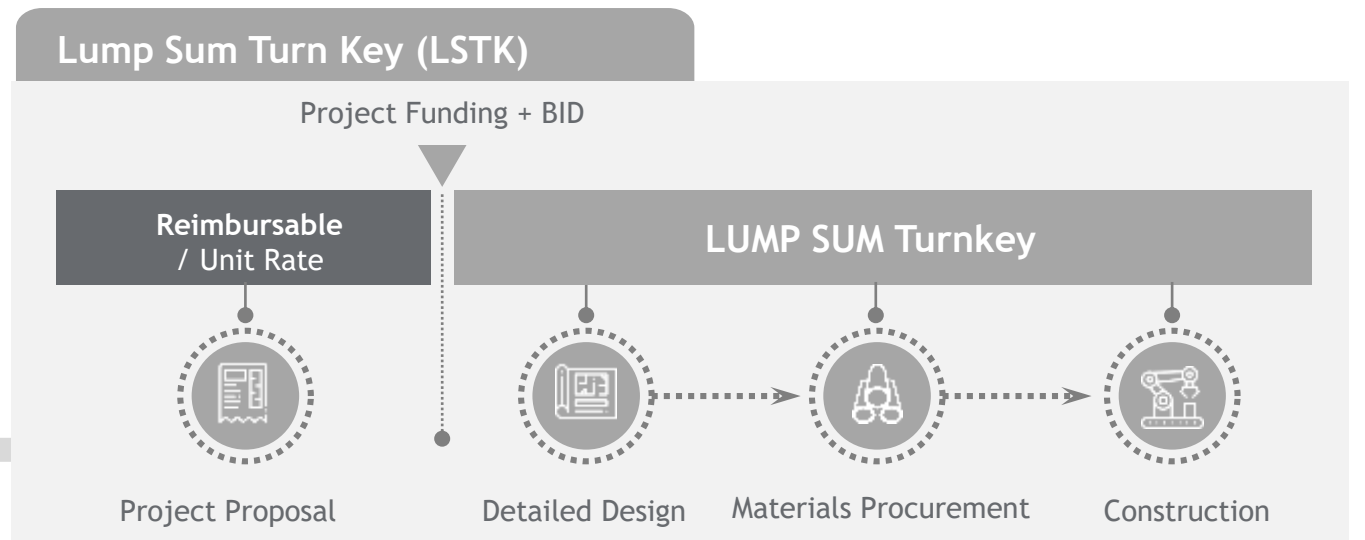
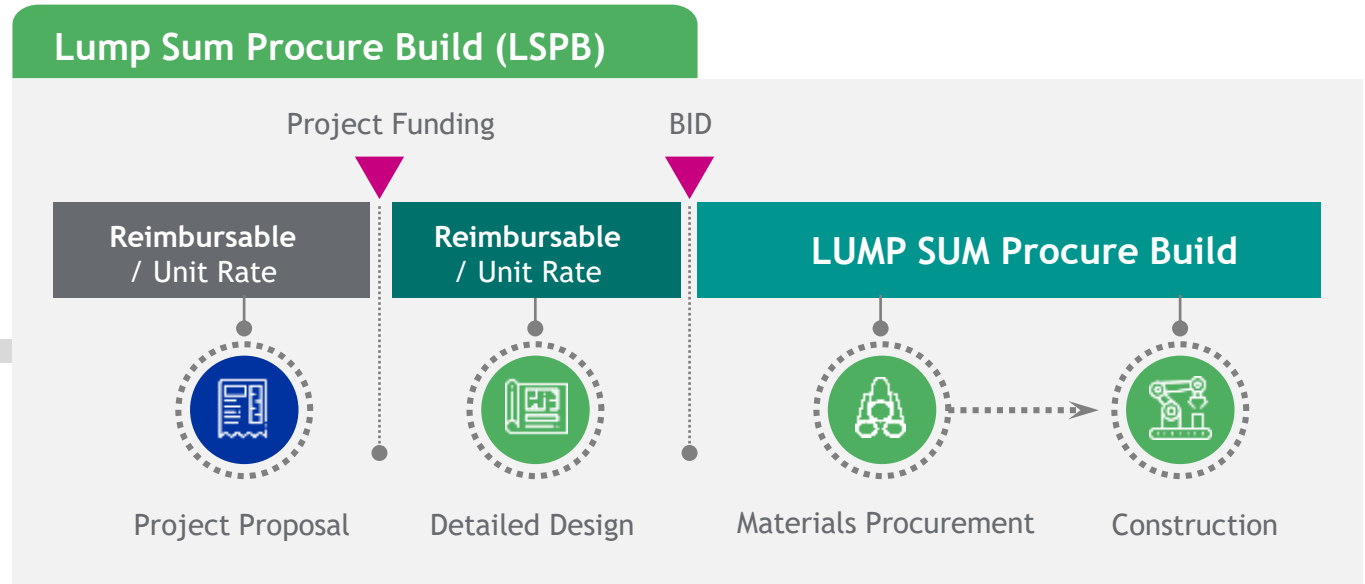
- Jafurah Blue Ammonia and Carbon Capture & Sequestration Complex

An aerial photograph of an offshore oil rig and its support vessels. The rig is a complex of steel structures, including a tall derrick and several vertical towers, situated in the middle of the ocean. A blue support vessel is positioned near the rig, and another yellow support vessel is visible further away. The water is a deep blue, and the sky is a pale, hazy blue. A large, dark, diamond-shaped graphic is overlaid on the right side of the image, containing the text.

Contracts and General Bid Slate

Saudi Aramco Contracting Strategy

Saudi Aramco Contracting Strategy

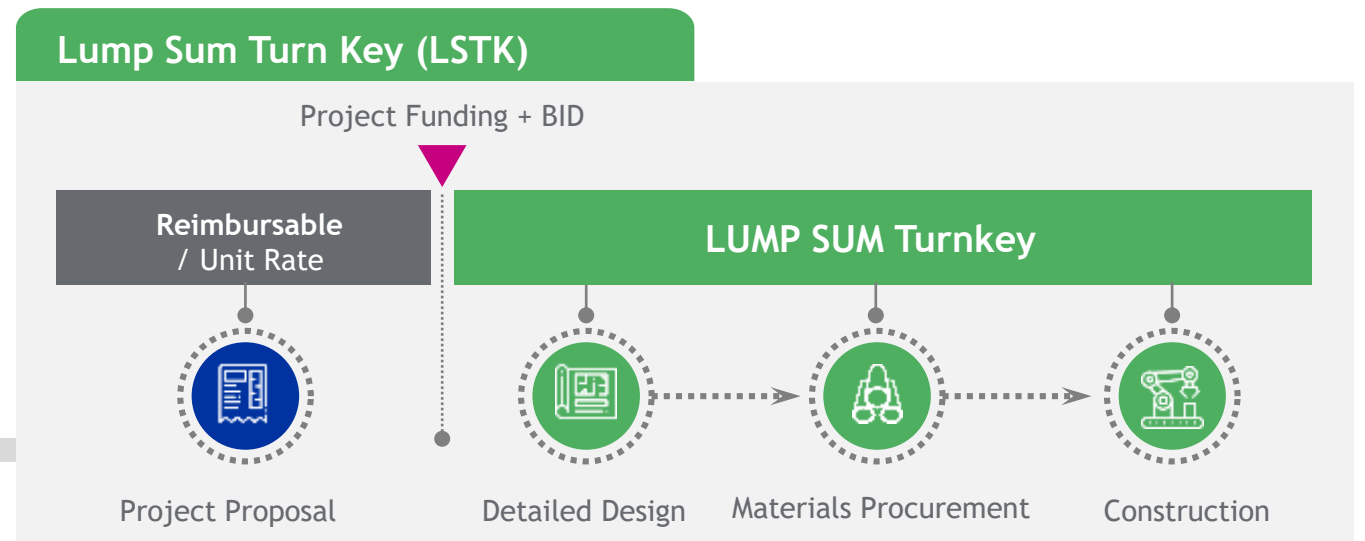
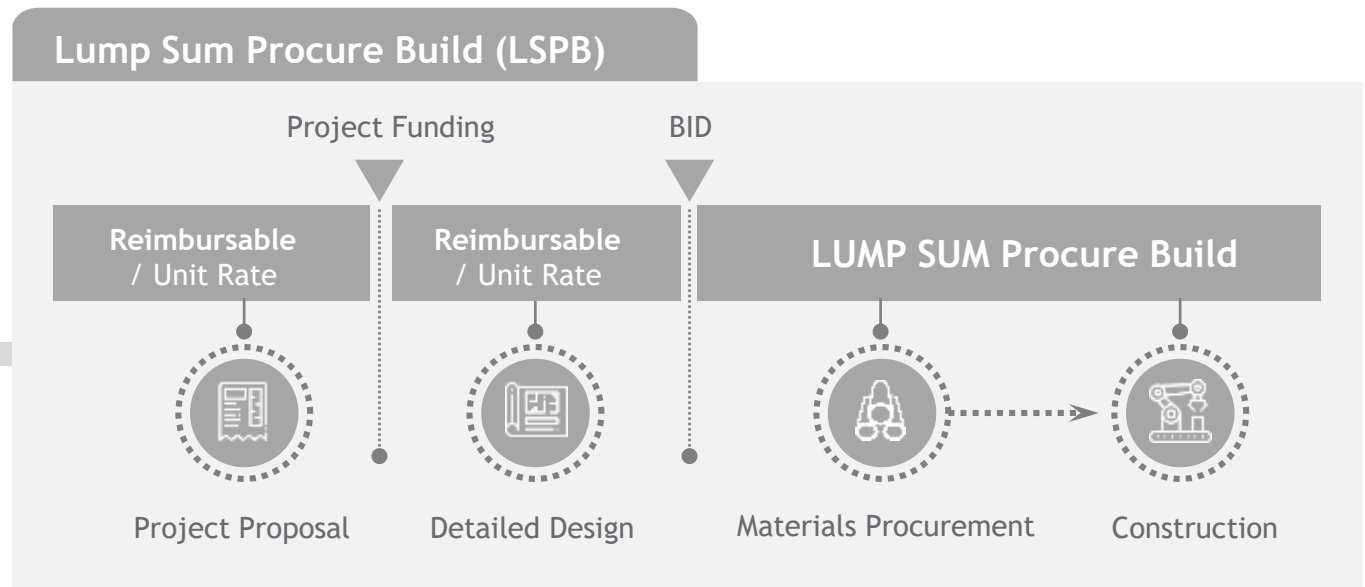


Saudi Aramco

Contracting Strategy

Saudi Aramco

Contracting Strategy



Project Management General Bid Slate (GBS)



One-time Prequalification



Only GBS contractors will be invited to bid



Contractors capable of executing a specific work within a certain financial category

18 Disciplines

42 Countries



Sourcing & Outreach Forums

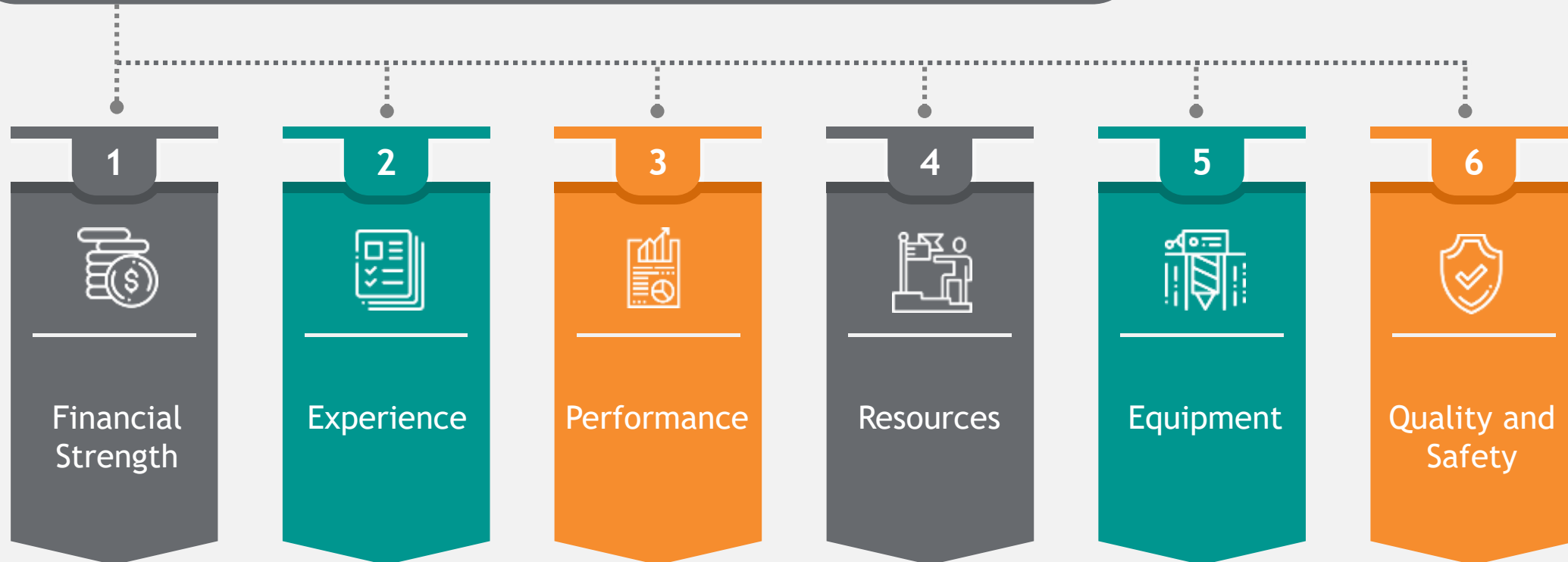


Contractor Revalidation (Every 2-years)

Project Management

General Bid Slate (GBS)

Contractors are prequalified according to:



General Bid Slate (GBS) Work Types



In-Plant



Onshore
Pipelines



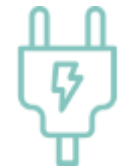
Civil Infrastructure &
Underground Utilities



Buildings



Marine
Infrastructure



Electrical
Work



Residential
Housing



Site Preparation &
Temporary Facilities



Water Treatment

General Bid Slate (GBS) Work Types



Power
Transmission Lines



Security Systems
Integration



Cathodic
Protection



Process Control
Systems
Integration



Communication
Inside-plant (ISP)



Communication
Outside- plant (OSP)



Offshore
Facilities



Communication
Systems Integration



Offshore Upgrade
and Services





General Bid Slate (GBS)

Work Types



In-Plant

Oil & Gas processing plants their upgrade & revamp, refinery plants, petrochemical plants, plant utilities (water, nitrogen, air, and steam), power generation and bulk plants & storage tanks

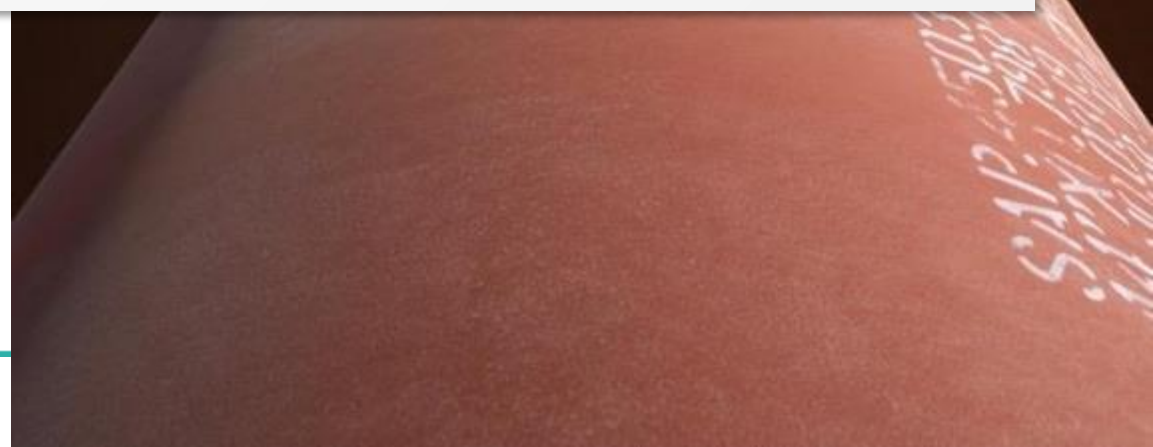
General Bid Slate (GBS)

Work Types



Onshore Pipelines

- Cross Country Hydrocarbon Pipelines
- Water Injection Pipelines.
- Well Site Trunk Lines and Flow-lines to Gas-Oil Separation Plants (GOSP).
- Oil & Gas pump stations





General Bid Slate (GBS) Work Types

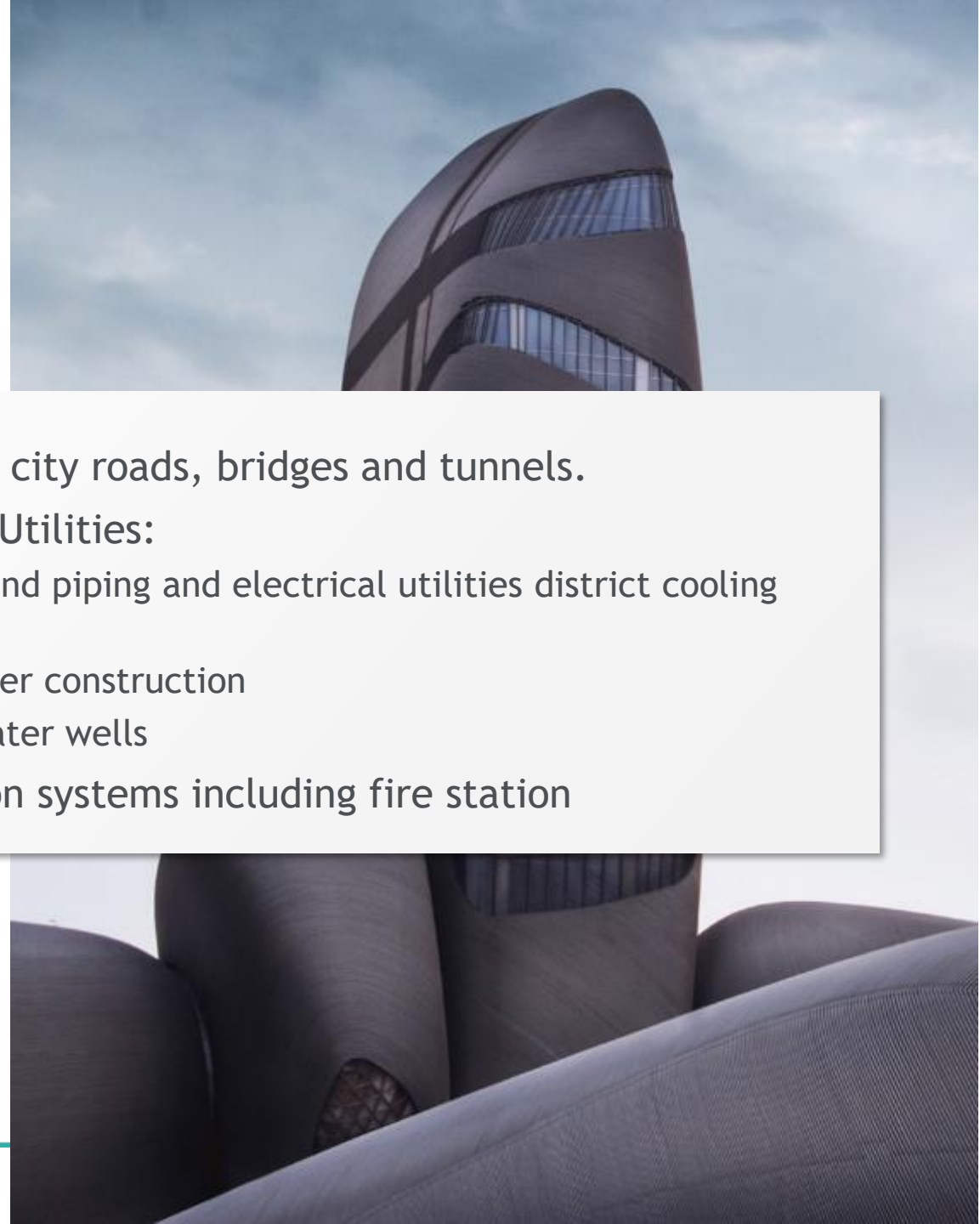
Marine Infrastructure

- Sea ports, docks, marine berths, piers, trestles and bridges
- Capable of performing all works related to:
 - Pile driving, deep foundations, landfilling
 - Dredging, concrete work, structural elements fabrication, breakwaters
 - Floating jetties, pontoons, quay walls mooring piles, & rock revetments

Work Types

Civil Infrastructure & Underground Utilities

- Highways and city roads, bridges and tunnels.
- Underground Utilities:
 - Underground piping and electrical utilities district cooling plant
 - Storm water construction
 - Drilling water wells
- Fire protection systems including fire station





General Bid Slate (GBS) Work Types



Electrical Work

Electrical substations, power distribution grids, installation of transformers and circuit breakers/ switchgear



Power Transmission Lines

Power transmission lines (69 KV and above) all associated site preparation and earth works

General Bid Slate (GBS)

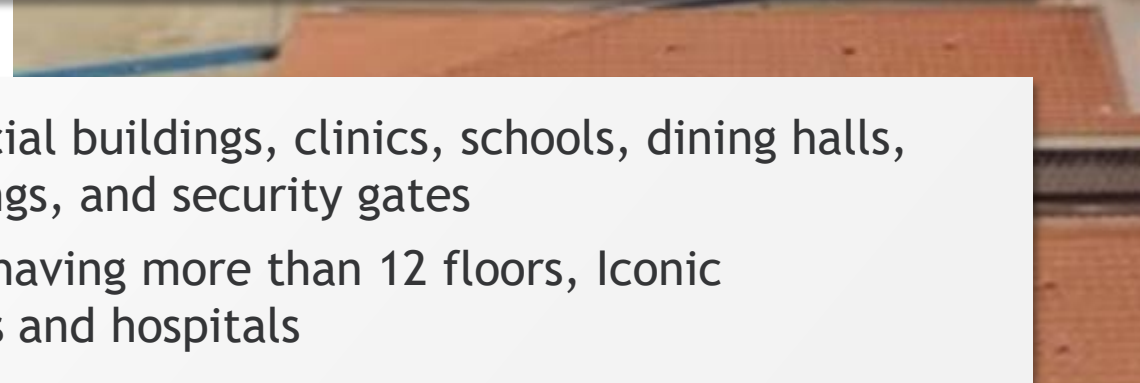
Work Types

Residential Housing

Residential housing compounds. Community villas (250 villas minimum), associated community utilities and services such as: schools, community buildings, and parks.

Buildings

- Office and commercial buildings, clinics, schools, dining halls, support shop buildings, and security gates
- High-Rise Buildings having more than 12 floors, Iconic landmarks/buildings and hospitals





General Bid Slate (GBS) Work Types

Site Preparation & Temporary Facilities

- Site preparation: Clearing & grubbing, rough grading, leveling and compaction
- Landscaping (hard & soft): Paved areas such as streets & sidewalks, traffic circle, etc.
- Temporary Facilities:
 - Temporary access roads, storm drainage system.
 - Temporary security fences and gates

General Bid Slate (GBS)

Work Types

Water Treatment

Water treatment plants and distribution systems including the installation of new, and the expansion of existing systems





General Bid Slate (GBS) Work Types

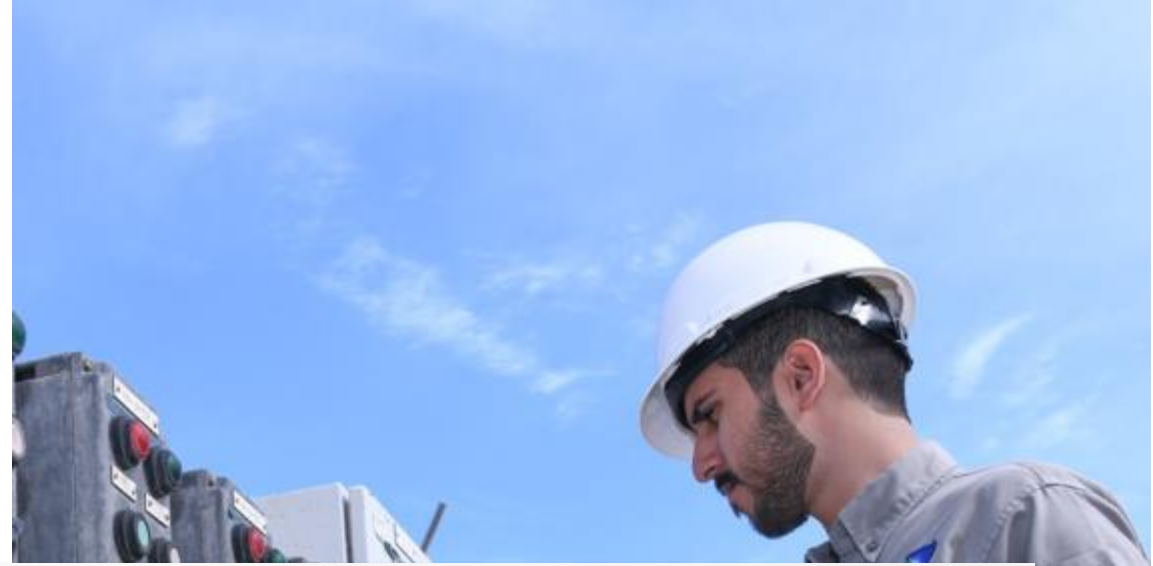
Security Systems Integration

- Long Range Detection and Assessment System (LRDAS), Security Access Control System (SACS)
- Radio-frequency identification (RFID), Plate Recognition System (PRS) work and Intrusion Detection & Assessment System (IDAS) work that includes Microwave Intrusion Detection System (MIDS), CCTV System, Fiber Optic Fence Sensing System (FOFSS)

General Bid Slate (GBS) Work Types

Cathodic Protection

Galvanic anodes and Impressed Current Cathodic Protection (ICCP) system installation and related power distribution lines





General Bid Slate (GBS) Work Types



Process Control Systems Integration

- Distributed Control Systems (DCS), Supervisory Control and Data Acquisition System (SCADA), Process Automation Systems (PAS), Emergency Shutdown System (ESD), Vibration Monitoring System (VMS), Remote Terminal Unit (RTU)
- Installation of system cabinet, marshalling, network or server cabinets, Consoles and/or operator/ engineering workstations or servers

- Remote terminal units (RTU), SCADA systems, outside plant interface work and control systems
- Telephone switching, fiber optic inside plant, transmission systems and radio systems
- Security system related to facilities

- Outside plant (OSP) fiber optic
- Conduits and terminals, and associated earth work with all necessary facilities fittings



General Bid Slate (GBS) Work Types

Communication Systems Integration

- Data network, fiber and transmission, telephone switching
- Uninterruptable power supply (UPS)
- Remote terminal unit (RTU) and radio installations and equipment

General Bid Slate (GBS)

Work Types

Offshore Facilities

- Offshore jackets and Platforms
- Major hook-up works
- Subsea pipelines, subsea cables (including HV and umbilical cables)

Offshore Upgrade and Services

Minor hook-up work (DCS, SCADA, multi-phase flow meters, and permanent down-hole monitoring facilities, fire protection and flaring systems), modification and upgrade work on new and existing offshore facilities.



Registration and References

Visit <https://www.saudiaramco.com/en>

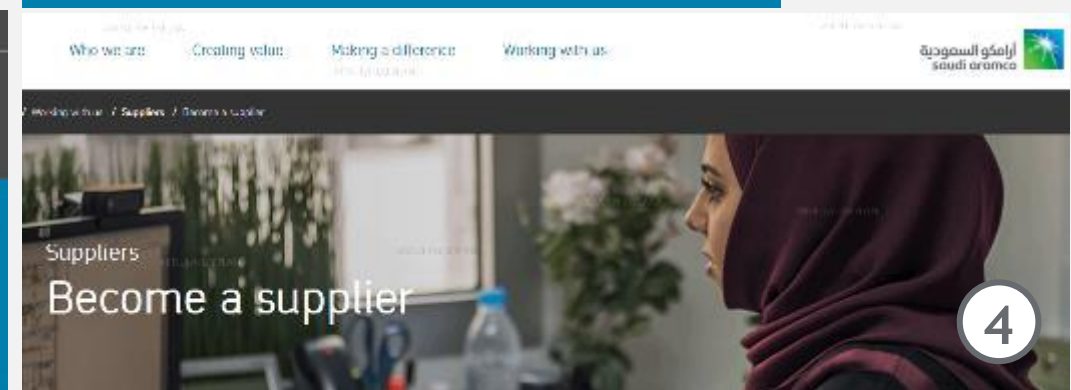
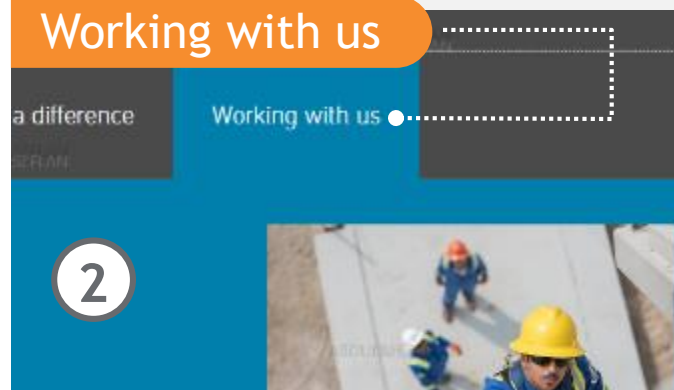
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Working with us



Thank you

