Middle East
Strengthened capabilities to support our customers
Wood’s footprint in the Middle East

Wood delivers comprehensive services to support its customers across the complete life cycle of their assets, from concept to decommissioning, across a range of energy, process and utility markets. We operate in more than 60 countries, employing around 55,000 people.

The rich heritage of our founding organisations makes us a respected presence in global industrial markets, combining unrivalled technical knowledge and a drive for outstanding delivery. We have a powerful global network of professionals focused on delivering services, safely and cost-effectively that help our customers get the best from their assets to meet their performance goals.

We have long-standing relationships with customers in the Middle East based on our ability to deliver consistently successful outcomes; combining our global experience, innovative solutions, and a flexible approach. From specialist consultancy services, to project-based delivery or through long-term contracts, we provide a service that is tailored to our customers’ individual requirements.

Safety will always be our number one priority, lives depend on it.

Wood encourages a strong safety culture, providing consistent tools and guidance, delivered through robust safety processes. To enhance this we insist our operations are safer by design. Process safety is about building safety in at the engineering stage, considering human factors, operational requirements and a lifetime of integrity management solutions to ensure every facility is as safe as it can be. Our commitment gives you absolute assurance that we serve the best interests of your business by taking a safe, measured approach to the operation of your asset.
Fast facts

55,000 employees globally 160 years of experience

60+ countries

Sectors and markets we operate in:

- Clean Energy
- Chemical
- Refining
- Environment and Infrastructure
- Manufacturing
- Marine and Defence
- Mining and Minerals
- Nuclear, Power and Process
- Oil and Gas
Our capability in the Middle East

7 countries
70+ year history operating in the Middle East
3800+ exceptionally talented people in the region

Saudi Arabia
> Environmental services including remediation, masterplanning and waste management
> We have been working on projects in the Kingdom since 1970
> We deliver a full range of services to customers in the upstream, downstream, pharmaceutical, environment and infrastructure, and clean energy sectors
> We also supply licensed technology

Qatar
> We have been operating in the country since 2009
> We provide facilities engineering, maintenance, shutdown and workshop services and supply chain management services
> We bring international best practice, complimented capabilities but with local delivery to customers in Qatar

United Arab Emirates (UAE)
> Regional hub in Abu Dhabi supporting operations across the Middle East
> An established and strong engineering capability supporting the local EPC market
> Delivering feasibility/FEED scopes directly to operating companies across the UAE
> Consultancy experts based in the region to provide our full range of specialist services

Wood Strengthened capabilities to support our customers
Kuwait
- Working in the region since 1968
- Providing services for operating companies and their customers in pre-FEED, FEED, PMC, and EPC, both onshore and offshore, greenfield scopes and brownfield capabilities, upstream, midstream and downstream, and ongoing asset support
- Supplying extensive land remediation consultancy and engineering support through Kuwait Environmental Remediation and Sustainable Environmental Economical Development projects

Oman
- Providing services to oil and gas, mining, power and environment and infrastructure markets in Oman since 1995
- Based in Muscat, we deliver full engineering and consulting service capability
- Supplying licensed technology to the Sultanate of Oman, as well as equipment from our fired heater and global power groups

Iraq
- Working in Iraq since the 1930s, established offices since 2012
- Strong customer relationships with NOCs and IOCs in Iraq based on our reputation for delivery excellence over many decades
- Offering a range of services to support customers’ onshore production facilities, in addition to managed maintenance services, commissioning and completion, and construction management

Broad customer base
IOCs, NOCs, small to mid-tier organisations
- Bahrain National Gas (BANAGAS)
- Tatweer Petroleum
- Bahrain Petroleum Company (BAPCO)
- BP
- South Oil Company (SOC)
- ExxonMobil Iraq Limited (EMIL)
- Basrah Gas Company (BGC)
- TAQA
- Shell
- Eni
- Kuwait Integrated Petroleum Industries Company (KIPIC)
- Kuwait National Petroleum Company (KNPC)
- Kuwait Oil Company (KOC)
- Duqm Refinery and Petroleum Industries Corporation (DRPIC)
- Oman Oil Refineries and Petroleum Industries Company (ORPIC)
- Oman LNG
- Petroleum Development Oman (PDO)
- Oman Oil Company Exploration & Production (OOCEP)
- Qatar Shell GTL
- Qatargas
- Maersk Oil
- Occidental Petroleum
- Sadara Chemical Company
- Saudi Aramco
- Ministry of Environment, Water & Agriculture (MOW&AE)
- The National Titanium Dioxide Company (CRISTAL)
- Abu Dhabi National Oil Company (ADNOC)
- Dubai Petroleum (DPE)
- Masdar
Supporting throughout the asset life cycle

**Adding value at the front-end**

We have a reputation for delivering high quality conceptual designs, feasibility studies and FEEDs which give our customers a robust basis upon which to execute their planned projects successfully.

- Market analysis in association with leading market consultants
- Master-planning and investment planning for revamps, upgrades and grassroots facilities:
  - linear programming configuration optimisation
  - objective technology selection and evaluation
  - licensor evaluation and selection
  - site selection
- Conceptual plot plans
- Environmental planning and permitting
- Due diligence/plant efficiency/maintenance assessment
- Energy efficiency and integration
- Total integration of utility and offsite systems
- Hydrogen management and optimisation

**Proven EPC delivery**

We have a long and proven EPC track record, ranging from world-scale, billion-dollar investments to small projects often executed under long-term service agreements. We are well-known for our project management skills, we’ve implemented innovative construction strategies, including significant modularisation, and our logistics planning expertise is tested and assured.

**Upstream**

Wood provides full life cycle solutions for the upstream oil and gas industry, both offshore and onshore. Our extensive capability includes:

- Offshore platforms
- Floating production
- Oil sands
- Shale gas/coal bed methane
- Enhanced oil recovery (EOR)
- Subsea
- Pipelines
- Terminals, storage and distribution
- Onshore production facilities

**Greenfield**

Our greenfield capability encompasses engineering design, procurement, construction and project management services for new-build oil and gas facilities worldwide.

Our greenfield expertise enables us to take projects from definition and planning through to commissioning and handover; and we are experts in all areas in between, from concept identification through front end engineering, detailed design, procurement, construction and installation phases.

**New build experience**

**ADMA-OPCO, UAE**

Offshore super-complexes in the UAE - The Khuff Gas development for ADMA-OPCO in the UAE comprises two major offshore super-complexes for which we were the PMC contractor. The new facilities included a new gas gathering network, two new gas-processing platforms and modifications to 15 existing platforms.

**Brownfield**

We have a track record of continual improvement and innovation in brownfield engineering projects.

**ADCO, UAE**

Environmental enhancement - The objective of ADCO for the Sahil, Asab and Shah oilfield development in the UAE was not only to increase production, but also to enhance the environmental performance of the fields and to provide adequate facilities for their operations. We completed the FEED for this challenging project.
Refining

We have a long and successful track record in refining, covering a broad spectrum of investments from world-scale grassroots refineries, to major expansions and revamps, complex turnarounds, refinery/petrochemicals integration, clean fuels projects to meet new legislation, residue upgrading to produce higher-value products, right through to smaller maintenance-type projects and ongoing asset support.

Residue upgrading

We own state-of-the-art proprietary technology for delayed coking, and also offer solvent deasphalting and visbreaking jointly with UOP.

Our SYDEC™ delayed coking technology is the market leader, achieving maximum clean liquid yields and minimum fuel coke yields. We have supplied our delayed coking process technology worldwide for more than 80 new cokers, including some of the largest in the world, and have executed more than 70 delayed coker revamps.

We also offer state-of-the-art hydrogen technology based on our Terrace-Wall™ steam reformer. It provides the hydrogen that residue upgrading and projects to produce cleaner fuels will require, to enable products to meet latest specifications.

Clean fuels

We have extensive experience in all aspects of clean fuels projects, from investment planning and phasing, selection of technology, through to design and EPC. We have been involved in clean fuels projects since the first clean fuels specifications were introduced and have implemented a wide range of innovative execution strategies to help our customers produce cleaner fuels in line with their targets.

Kuwait National Petroleum Company

Clean fuels project, Kuwait

Project management and consultancy services for KNPC’s clean fuels project in Kuwait. Major upgrade and expansion of the Mina Al-Ahmadi and Mina Abdullah refineries to increase their combined throughput by 264,000 bpsd to 800,000 bpsd, increasing conversion of fuel oil to higher value products to meet market demand and tighter sulphur specifications.

Hydrogen

We can provide:

- Methodology for establishing the best route for increasing hydrogen production/recovery
- Possible revamp options for existing hydrogen plants
- Options for new hydrogen production units

We recognise that refiners do not want to invest in new hydrogen plants where it may not be commercially viable. We can help establish whether increased hydrogen demand can be met by using existing spare capacity or through relatively small revamps.

If a new plant is needed, we can provide leading hydrogen generation technology using our Terrace-Wall™ steam reformers.

Duqm Refinery

Oman

FEED for Phase 1 of the Duqm crude oil refinery and petrochemical complex. Phase 1 comprises the development of a grassroots refinery with a planned processing capacity of 230,000 barrels per day of crude oil. Our FEED includes the design of the crude distillation/ vacuum distillation unit, sour water strippers, amine units, and offshore and utility systems, and the management of four licensors who are developing process design packages for licensed units.

Jizan Refinery

Saudi Arabia

Our proprietary hydrogen production technology was selected by Saudi Aramco for its Jizan Refinery. We supplied a licensed process design package, which is based on two hydrogen production trains, each with a design capacity of approximately 92,000 normal cubic metres per hour (Nm³/h). Based on our steam methane reforming technology, the unit’s overall design capacity will be approximately 364,000 Nm³/h, and includes a pressure swing absorption unit for the treatment of the offgas from the continuous catalytic regeneration unit.
Supporting throughout the asset life cycle

Chemicals and petrochemicals

We’ve completed thousands of projects: grassroots facilities, expansions and upgrades. Our experience and capabilities encompass plants that produce feedstocks, intermediate products and finished products. Our major operating centres, regional offices, local and strategic partners ensure that we are ideally placed to provide expert help in the key locations for the chemicals industry.

We can bring expertise to the entire value chain of the oil and gas industry, from the wellhead to LNG and gas-to-liquids, to refining and petrochemicals, and through to fine chemicals and specialty chemicals.

We offer a complete range of services to meet our customers’ needs:

- Technical consultancy
- Market studies
- Feasibility studies
- Master planning
- Site selection
- Project development
- Concept design
- Technology packages
- Front-end design
- Project management
- Environmental services
- Detailed engineering
- Procurement
- Construction and construction management
- Commissioning and start-up
- Validation
- Plant operations and maintenance
- Training
- Turnarounds
- Site remediation

Petrochemicals and the refinery interface

We have extensive experience in refining, chemicals and their integration. Our study and concept design capability adds real value in helping our customers select the right configuration and processes. These are often very complex facilities, which play to our strength in designing and building large and challenging projects.

We are proud to be involved in some of the world’s largest refinery/petrochemicals projects:

- ExxonMobil’s Singapore manufacturing site
- Shell Eastern Petroleum Complex, Singapore
- Petro Rabigh, Saudi Arabia
- Nizhnekamsk, Tatarstan, for Tatneft
- IOCIL, Paradip, India

Dealing with the newest technologies, such as high olefins producing FCCs and gasification, we are a leader in the industry with our ability to optimise investment and then implement projects successfully.

Operations and maintenance

We are a leading asset support provider, servicing more than 200 facilities daily globally.

Our offering brings together our global expertise and experience, with access to thousands of operations and maintenance and turnaround personnel. We can offer a fully integrated offering or individual services, all managed and co-ordinated by a highly experienced global team, from project phase into initial operations through to late life and decommissioning.

We offer a range of services to support your asset. These include a review of your operations and maintenance philosophies and strategies, and of your asset business plan. We can identify safety critical and business critical equipment, and the impact of failure as well as conducting FMECA (failure modes, effects and criticality analysis) on critical equipment.

We have onshore and offshore experience and delivery capability second to none, with experience of mobilising large workforces quickly and managing the supply chain to ensure our customers receive value for money without compromising safety.

Ras Laffan, Qatar

Fast, efficient mobilisation

Mechanical maintenance for the world’s largest gas to liquids plant – Shell’s QSGTL in Ras Laffan, Qatar. Contract includes the provision of management, mechanical field engineers, planning, HSE, QA/QC, finance, logistics, warehousing and drivers.

Orpic TSA, Oman

The contract is for a technical services agreement (TSA) contract by Oman Oil Refineries and Petroleum Industries Company SAOC (Orpic) for the Mina Al Fahal refinery and Sohar refinery, aromatics and polypropylene plants, Oman.
Commissioning and completions

$qedi$, our world-leading completions and commissioning management service, is underpinned by technology and differentiated by intimate involvement in all phases of the project life cycle. Experience gained in conceptual engineering, detailed and follow-on engineering, construction, hook-up, commissioning and operations and maintenance on engineer, procure, construction management (EPCm) and operations and maintenance contracts gives us a deep insight into what makes a facility easy to construct, simple to commission, and safe and efficient to operate and maintain. This knowledge informs our designs.

Decommissioning

We have a comprehensive capability for all aspects of decommissioning and restoration including integrated in-house services and relationships with strategic partners. Our core capability in-house encompasses for planning, engineering, management and supervision for late life optimisation, decommissioning, disposal and restoration.

In addition to our core capability in-house, additional specialist services include:

- $qedi$ – commissioning and decommissioning software and specialist manpower
- Environmental – comprehensive, integrated consultancy services

Environment and infrastructure solutions

Our environmental engineering and consulting business delivers a wide range of infrastructure-related service capabilities. Our technical experts provide full environmental engineering, consulting and construction services to our customers in the oil and gas, chemicals, power, mining, industrial, pharmaceutical, government, transportation, and water sectors.

Regional capability:

- Working closely with Kuwait Oil Company’s Soil Remediation Group, we have successfully delivered one of the world’s largest remediation projects (Kuwait Environmental Remediation Project) over the last five years – remediating contaminated soil, designing and constructing landfills and detecting and clearing UXO
- We have technical expertise in the design, construction and operations and maintenance of industrial waste water facilities with experience in active Middle East refinery complexes, such as work for ZADCO at Zirku Island, UAE

Multi-disciplinary skills, multi-sector experience:

Integrated and innovative services across the complete asset life cycle:

- Environmental remediation
- Environmental sciences
- Permitting and compliance
- Public infrastructure
- Geotechnical and materials
- Facility operations

Track record in sectors from oil and gas to nuclear, transportation, mining, defense and government.

Global reach supporting customers from our offices across Europe, Middle East, Americas and Asia.
Our clear approach and global operational consistency, supported by more than 35 years’ industry experience, brings engineering certainty to both routine and complex challenges. The integrity, passion and expertise of our people delivers smart solutions that create and sustain value for our customers.

Our specialist services are designed to solve complex technological and strategic challenges across the energy and industrial sectors. We apply our strong engineering track record to provide fit-for-purpose solutions to the issues faced by our customers.

Subsea and export systems

Our depth of subsea and export systems knowledge is unparalleled. With more than 35 years’ experience, we provide independent project delivery, engineering and consulting services which enhance project value.

We combine world-class design with extensive practical delivery expertise to produce effective subsea engineering solutions, from the routine to the highly complex. Our services range from the detailed design of subsea equipment and export systems, to the management, maintenance and optimising of subsea layouts and marine terminal infrastructure.

Automation and control

Wood is different from other automation and control solutions providers. In addition to being a leading provider of design, engineering and integration services, we are vendor-independent. Our extensive industry and systems experience allows us to assure customers that they have the most appropriate software and hardware for their project’s success.

With our robust project management systems, precision tools and the global support of Wood, we can handle any project, large or small, as your turn-key source from concept through commissioning.

Flow assurance

Our specialist flow assurance and process optimisation consultants have extensive experience in all project stages for offshore and onshore assets. As an industry-recognised leader, Wood offers leading-edge technology, strong analytical capability and field-proven software systems.

Our dedicated team of consultants offer a broad knowledge and skillset devoted to providing the requisite understanding of the fluids and production chemistry issues to assist customers to increase production, improve operability, and address operational issues that may arise.
Asset integrity solutions

Integrity maintenance and management is key to reducing operational risks, minimising costs and preventing reputational damage. Our extensive portfolio of asset integrity solutions, delivered throughout all stages of a project, means a single point of contact for our customers. This ensures operational consistency is maintained while reducing contractor costs.

With unparalleled technical competence and experience, our people are global leaders in the specialist activities which underpin asset reliability. Our services are tailored to ensure we deliver value added solutions for our customers.

Digital solutions

We harness digital technologies to give our customers a competitive advantage. Developing advanced software to tackle primary industry issues, our digital services have unrivalled breadth of capability to improve safety, operations and productivity at all project stages.

We provide asset and operational assurance from wellbore to refinery in the oil and gas sector. Our solutions are enhanced by input from Wood’s discipline engineers bringing vital support to customers in the renewables, power, automation and industrial sectors.

We leverage expertise in systems integration, software, workflow development and global deployment to ensure the successful application of new technologies across your business. We use advanced data analysis to interrogate and visualise data helping our customers make more informed decisions.

Clean energy

Wood’s clean energy business specialises in renewable energy and grid integration providing engineering and technical advisory services to renewable projects all over the world.

We provide advice on renewable energy projects from small off-grid power systems, specially designed for remote locations, right up to some of the world’s largest renewable energy developments.

We provide full renewable energy project life cycle development services, due diligence and project management and continually innovate; playing an active role in developing ground-breaking technologies for the benefit of the renewable energy industry.
Wood is a global leader in the delivery of project, engineering and technical services to energy and industrial markets. We operate in more than 60 countries, employing around 55,000 people, with revenues of over $11 billion. We provide performance-driven solutions throughout the asset lifecycle, from concept to decommissioning across a broad range of industrial markets including the upstream, midstream and downstream oil & gas, chemicals, environment & infrastructure, power & process, clean energy, mining and general industrial sectors. We strive to be the best technical services company to work with, work for and invest in.

Contact us to find out more:

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