

Capital Projects

Adding value from concept to start-up, often in the harshest environment, safely and efficiently while innovatively managing risk.



Wood is a global leader in project delivery, engineering and technical services, providing efficient, integrated solutions across the asset life cycle in multiple sectors. We are proud of our rich heritage which underpins our unrivalled breadth and depth of capability. We employ people with the brightest minds and the sharpest skills, who use our leading-edge technology to help our customers succeed.

160+
year heritage

60,000
employees

60+
countries

Our differentiators include our extensive range of services, the quality of our delivery, the passion of our people and our unique culture. True to our values, we work in an open and transparent way; a committed partner to our customers, supply chain and the communities we work with.

Our values set the tone for what is important in our business, they are the essence of our identity and fortify everything we do.

Care

Working safely with integrity, respecting and valuing each other and our communities

Commitment

Consistently delivering to all our stakeholders

Courage

Pushing the boundaries to create smarter, more sustainable solutions



"Each and every individual in our business has the ability to make a significant impact to our safety delivery. Safety is what we care about most and being safe means looking out for yourself and showing care for your colleagues. Keep safety at the heart of every conversation you have."

Robin Watson,
Chief Executive

Capital investment decisions are complex to initiate and it is vital to establish the best concept at the start. Wood brings innovative solutions to ensure the delivery of our customers' projects meet their requirements for cost, schedule and quality whilst delivering industry leading safety performance.

We are a global leader in the complete planning and execution of capital projects in multiple industries for large or small projects. Our approach to project delivery, from concept through the end of the asset's life, is tailored specifically to our customers and their requirements. Our longstanding reputation is built on 160 years of expertise and excellence in project delivery that results in repeat business from satisfied customers.

We strive to develop long-term relationships through hard work, proven methodologies and a common understanding of what turns projects into successful owner's assets. We are recognised worldwide as results-driven, providing solutions to difficult and often novel problems.



Project management

We provide complete management of any project, regardless of size or complexity. Our approach ensures customers' expectations are met without surprises.

Each Wood project is approached singularly with the individual customer requirements in mind. Partnering with our customers, we use our vast experience to make certain that project requirements are met or exceeded. Our project management expertise is well recognised, encompassing leading-edge control systems and hands-on personal attention to all project aspects and deliverables.

Our professionals are known for their thoroughness in oversight, close interfaces and reliable results. We have the tools and employees to provide in-depth planning, coordination of all project phases, meticulous control over schedule and costs, and handover at the project's satisfactory completion. This can be inclusive of commissioning and start up, as well as, follow through on maintenance and operations.

KNPC 615 KBPD hydro-skimming refinery in Al Zour, Kuwait

Wood is providing all project management and controls for design, construction, completions, pre-commissioning management, as well as, supporting the effective set up and readiness for commissioning activities in three phases for the KNPC 615 KBPD hydro-skimming refinery in Al Zour, Kuwait.

5 million tonnes/year
refining capacity

43%
of country's refining capacity





Our project management processes and tools capture our experience and keep our high standards consistent wherever we work and whatever the job.

Engineering

For more than 125 years, Wood has provided our customers with innovative engineering solutions.

One of Wood's greatest strengths is our engineering expertise. This capability is recognised globally throughout multiple industries. To deliver the best solutions for our customers, we are involved in project concept and feasibility studies to determine the best alternatives or trade-offs. These early phases allow us to bring our extensive project delivery experience and a global knowledge base of comparable project successes.

We follow this effort with reliable front-end engineering and design (FEED) and detailed engineering to deliver optimised solutions early in project execution, constructability, completions and commissioning. Our expertise allows us to focus on reducing capital expenditure while improving operational expenditure.

Whether a greenfield project, brownfield modifications or asset life extension, our designers and engineers utilise their experience to drive innovative solutions. Our technology agnostic approach allows us to capitalise on the newest technologies/advances and the best solutions for the project.

Anadarko Lucius

Wood's "Design One/Build Two" approach provides significant cost savings not only in engineering but also in the construction of the facility. We reduced project costs and decreased cycle time for the Heidelberg spar in the Gulf of Mexico by maximising replication and lessons learned from the Lucius project. Utilising the Lucius design as a basis reduced the Heidelberg engineering manhours 33% with a reduction in fabrication man-hours by 22% and a 10-month topsides fabrication acceleration.

33%

reduction in engineering manhours

22%

reduction in fabrication manhours

Saudi Aramco / SABIC crude oil to chemicals complex

Wood is providing pre-FEED, FEED and overall project management support to the world's largest crude oil to chemical complex in Saudi Arabia. Our scope includes the development of the refinery process units including the mixed feed steam crackers, facility process integration, ISBL utilities, interface management, 3rd party scopes and overall cost estimate. The complex is expected to process 400k BPD and 9m TPA of chemicals and base oils.



EPC / EPCM

Wood has the unique capability to handle every aspect of an entire project or just the portion the customer needs. No project is too small or complex.

Wood is a full-service supplier in all aspects of a project, from pre-planning through start-up. We offer full engineering, procurement and construction (EPC) or construction management (EPCM) solutions that align with our customer's contracting strategies.

Wood partners with our customers to reduce risks while ensuring projects are supported end-to-end with unparalleled experience and the necessary tools and systems.

Engineering services

Our customers can proceed confidently with their projects, with the assurance that unknowns have been minimised and that safety, environmental and process concerns have been addressed. Our expert engineers are backed by the latest tools for analysis and design.

Complete procurement support

Project success depends on timing and strong supply chain management. This can include low cost countries procurement.

Our experts provide experienced purchasing, expediting and logistical support that assists schedule adherence. Our relationships with equipment vendors and service providers help ensure project success. Our global market knowledge is second to none, allowing us to provide early and accurate data to all phases of the project, further enhancing project viability.

Construction

We are known globally for safe, environmentally sensitive and high-quality results through our self-performing contracting, sub-contractor performance and management services.



Çöpler Sulfide expansion

Currently the largest EPCM project in the world, the Çöpler Sulfide expansion project in Turkey is an open-pit mine that has been running successfully since 2010. To extend the life, Alacer Gold needed to design and build a cost-efficient expansion. Wood improved a third-party's basic design, reducing the plant footprint by more than 50% and building height by 20%. Our capital-efficient approach reduced costs by \$33 million.

\$33m

reduction in costs

Duke Energy's Hines Chiller uprate project

Wood provided EPC services to Duke Energy's Hines Chiller uprate project increasing the plant's summer capacity by over 200 MW net. This project solidifies the energy station as a leading power producer in Florida. The additional capacity helps offset the need to generate power from less efficient costlier peaking units during summer months. Despite the challenges associated with installing a variety of new equipment within the footprint of an existing operating facility, the project team completed the project without any safety events.

Our extensive global project experience provides unparalleled service in all phases of a project.



Construction and field services

Wood delivers predictable outcomes with reliable project construction results and continued field maintenance services for the life of the asset. An integrated construction planning process is critical to facilitate an achievable schedule and cost success.

Wood strives to meet customer expectations on all phases of a project and beyond. Regardless of the industry or its location, we maintain the highest standards of materials and constructability to ensure outstanding project results and exemplary performance of the asset throughout its life cycle.

We are experienced in all forms of modular construction and pre-assembly, constantly challenging the status quo to optimise the execution model. We deliver safe, cost effective solutions, overcoming market challenges for logistics and construction resources.

Our qualified personnel and methods ensure the project is completed as planned and with no surprises. No shortcuts are taken in the process.

High-quality materials are fabricated, assembled and tested by qualified specialists to ensure successful commissioning and start up.

We then take our projects one step further. We have the personnel to maintain the asset through its entire life cycle. This full-service capability assures customers their asset will be diligently overseen and maintained throughout its productive life with minimal disruption or downtime.

Permian Basin

Construction of a key oil treatment facility in the Permian Basin, providing hundreds of jobs and building vital infrastructure safely to serve this world-class oil & gas producing region. Located 45 miles northwest of Kermit, Texas, the two-train facility is now in operation. It can collect, stabilise, treat and sell 60,000 barrels per day (bpd) of oil to downstream markets, and can be expanded to 120,000 bpd.

60,000

current barrels per day

120,000

potential barrels per day

From concept to closeout, our construction and field services teams offer an end-to-end service that is completely scalable according to our customers' requirements.





Wood is a global leader delivering technical, engineering and project services across the entire asset life cycle. We operate in more than 60 countries, employing about 60,000 people. We provide performance-driven solutions from development to decommissioning for a broad range of industries including all energy sectors, process and refining, power and utilities, mining and manufacturing.

For further information please go to:

woodplc.com



@Woodplc



Wood



@Woodplc



Wood