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Commissioning

Experienced teams, tested processes and leading software for total assurance in commissioning

Skilled personnel at every level

with excellent experience for reliable support throughout the commissioning process

Robust processes

that have been tested on some of the most complex commissioning projects in the world

Industry leading software

connects all disciplines and third parties to help you manage in real time and stay fully in control

Integrated services

from pre-commissioning to final completion and handover gives you complete assurance for a seamless start-up

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 55,000 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.

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Commissioning is the most pivotal moment in the whole asset life cycle. Whether you are starting a new asset or restarting after maintenance or upgrade work, commissioning is the process that brings your asset to life.

Engineers have designed your next generation asset, fabricators have built the parts, construction teams have put all the parts together and installed them on site. The culmination of thousands of hours and millions of dollars of investment can finally start producing. This is the moment you find out if it all works.

The complete service

It is easy to overlook the importance of properly commissioning an asset. As the final step in the process many people think of it as simply 'turning on' the facility. The reality is far more complex, a facility is likely to contain hundreds of miles of pipework, thousands of miles of cabling, millions of nuts and bolts. Systems carry electrical charge, high pressure, corrosive or extreme temperature; structures may need to withstand heavy use and harsh conditions. The integrity of everything must be comprehensively tested and carefully prepared for use. You have invested heavily in the success of your asset; it makes sense to complete the process properly.

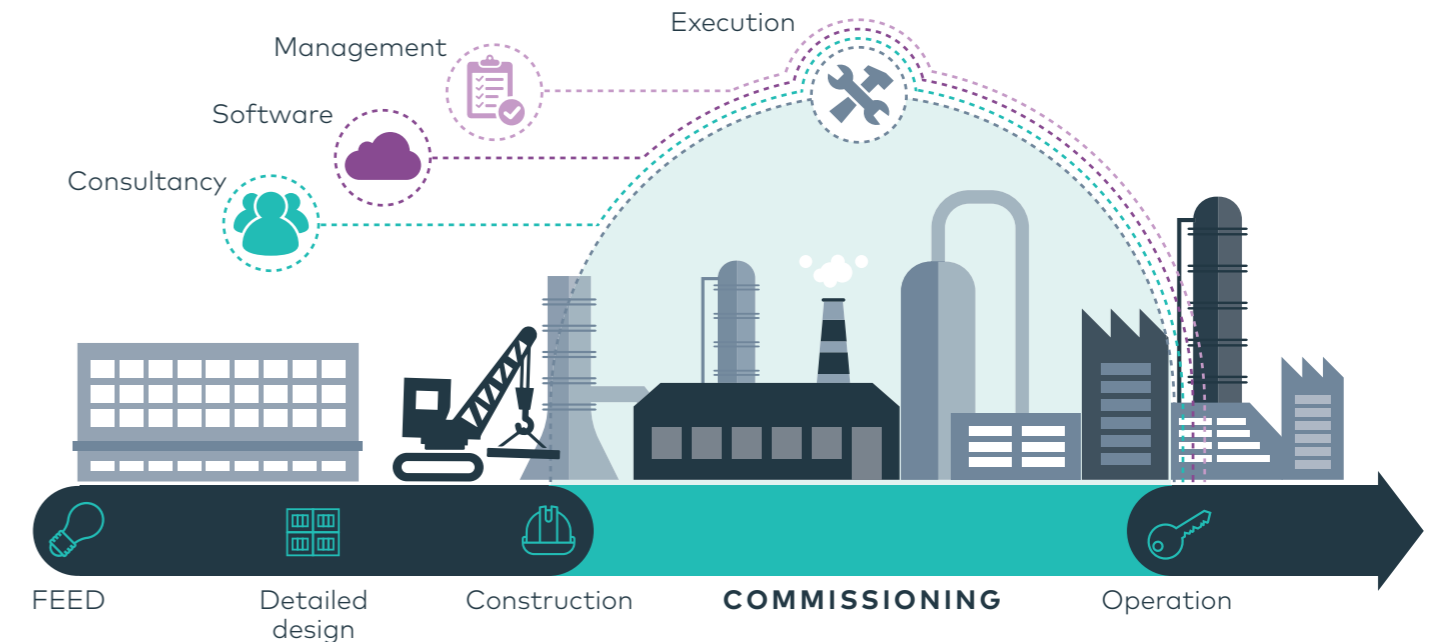
Coordinating all the systems, disciplines and logistics to achieve a successful start-up is one of the most complex jobs in asset development.



Our commissioning success comes from building expertise across three key areas:

People - Our commissioning team is vastly experienced with broad asset familiarity and outstanding organisation skills. Commissioning often requires major increases in manpower and many specialist teams to coordinate around challenging timeframes. We maintain a large database of diverse expertise to support rapid upscaling of project teams. We can supply qualified manpower or commissioning consultancy services.

Process - we have evolved a suite of extremely robust procedures to accommodate any scale of project, from small maintenance shutdowns to large scale greenfield commissioning. Our extensive processes begin early in the engineering stages to prepare and align effectively, working through construction to ensure constructability and support pre-commissioning, and feeding into operations for a seamless handover.



Software – with decades of experience and an unending commitment to innovation, we've consistently led the way with commissioning technology.

Moving beyond locally installed desktop solutions we are truly bringing our processes to the worksite. Through online channels, mobile delivery and cloud storage, our technology is available where it is needed.

The innovation journey continues with our latest product, which provides even greater flexibility, scalability and integration. We're proud to introduce hub2, providing real time reporting, full out-of-the-box integration with third party products (planning, EDWs, maintenance) and a truly paperless digital workflow.

Innovative solutions

- Flexible architecture – fully scalable for size and complexity
- Seamless integration – input from multiple data sources and software types
- Real time processes – instant updates and simplified reporting
- Device independent – track progress on mobile devices and digitise workflow
- Customisable interfaces – match terminology and align to best practice

Guaranteeing you complete integrity right through to close-out.

A new approach to new assets

With over thirty years of continuous commissioning experience we have built a powerful team of specialists to lead our commissioning projects. We were the first in our industry to gain international certification for our HUC processes. We prefer to engage with a project at engineering stage, our involvement here is minor but by gaining access at these formative stages we can guide the design and construction philosophies to a more seamless start up.

Early involvement allows us to input engineering data and gain familiarity with the asset ahead of time to help plan the commissioning schedule. Vendor reviews can be performed and dedicated focal points identified for vendors and execution teams to facilitate smoother coordination. Processes, systems and logistics can be sense checked and verified before the action begins.

The sooner we start, the sooner you start up.

Faster turnaround on turnarounds

Brownfield shutdowns present additional challenges, schedule pressure is much greater to keep downtime to a minimum, site space may be more limited, preparation and logistics must fit around ongoing production. The margin for error is very slim. Early involvement allows us to identify and mitigate potential risks, we can survey and build digital twins to ensure all information is up to date and even allow for practice shutdowns to prepare teams for seamless execution.

Our completions software stays with you all the way, a single source of truth for coordinating schedules, punch lists, check sheets, certification and sign off.

Our dedicated commissioning teams operate worldwide, providing consulting support, specialist manpower, project management, and bespoke software to execute commissioning scopes of every scale and complexity. Outstanding engineering and operational experience means we bring a deep understanding of the key interface points to bridge the gap from design to ongoing operations.