

Start 'em up!

Wood Group PSN start-up and commissioning services

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Whitepaper



Wood Group PSN draws on over 30 years of experience of successful completions and commissioning projects around the world. Our experience ranges from onshore plants, HUC of new modules for existing facilities and major HUC offshore projects.

Our success is built on working with the best people and using our Completions Management System (CMS) and Permit to Work (PTW) system. These tools help us successfully manage a project through mechanical completion, pre-commissioning, commissioning, readiness for start-up and handover to operations.

Project-specific completion philosophy documents are developed to assist in the optimization and management of the scope of work with respect to mechanical completion, pre-commissioning and commissioning – better known as systems completion.

Systems completion is the process through which technical integrity of a newly built or modified facility is verified in accordance with design and safety requirements. Starting from the equipment fabrication and construction completion phases we are able to detect any inefficiency by conducting FATs (Fabrication Acceptance Tests) and being involved in the installation and construction activities.

Proving and validating the facility equipment and associated components to ensure proper functioning and readiness for dynamic commissioning completes what we call the pre-commissioning process. We then validate all equipment and components to ensure that all are functioning as an operational system, that the systems function per specifications, and that all systems are ready for start-up and operation. Through proper planning with vendors, third party services and activities, along with early identification of risks, we are able to recognize inefficiencies and reduce expenses and costs to the project.

It is critical for any project to establish a robust and efficient certification and turnover process early in the project life cycle. Systems and sub-systems breakdown, and system limit denominations are critical for the fast and efficient turnover of equipment and systems to the end user. Having a logical and agreed upon certification and turnover process will reduce the cost and man hours in the critical commissioning and start-up phases of the project.

We can use our own CMS or input to customer systems to bring together all the engineering data required from design through completions and operations. When the CMS has been fully populated it reports on completions and handover status across mechanical completion, pre-commissioning and commissioning. Our CMS keeps detailed track of certification, ensuring regulatory compliance in all areas of our work. The system is a web-architected application with five core modules each of which accesses a common data for the following areas:

- Engineering
- Completions
- Reports
- Certificates
- Administration

In the long and valuable life of every operating facility, commissioning is a key stage that is critical to meeting and exceeding performance goals right from the start. Our proven capabilities can help you meet the tests of high-value operation, and the cost and schedule challenges your team faces from your project's conception.

