

This abstract will be presented during LNG2023 conference on 10-13 July in Vancouver, Canada among many other innovative projects, ideas and outlooks. LNG2023 will provide a unique platform for the global LNG industry and key stakeholders to discuss, debate, and showcase the latest industry developments and opportunities.



PRESENTED BY _____ HOSTED BY _____



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INTEGRATED MODULES FOR THE CONSTRUCTION OF A LARGE-SCALE LNG PLANT

JGC has been a leading FEED and EPC contractor for LNG plants throughout the world since its first such project in the 1970s and have developed execution and construction plans best suited to specific LNG plant projects.

One such development to improve plant design and construction, which JGC has been studying in pre-FEED, FEED and EPC LNG plant projects since the early 2000s, is the use and optimal integration of modules. The most optimized modules integrating equipment and pipe-rack modules and incorporating substations and field auxiliary rack rooms are called “JGC Integrated Modules” (J.I.Module), and their fabrication includes electrical and instrument cable installation, termination and system testing. This solution, provides major cost and schedule benefits where reducing work at the construction site may result in significant cost savings considering environmental or social issues.

In an EPC project for a 14 million tpa LNG plant currently under construction in Kitimat, Canada, JGC applied the J.I.Module concept. The modules are fabricated at module yards, and their delivery to site is about to be completed. This presentation will describe the application of J.I.Module in that project, focusing on the following benefits and challenges:

- Reduction in plot area for the train
- Reduction in work volume at plant site, and, as a result, the significant reduction in field construction and commissioning work-hours
- Challenges overcome for the actual implementation

To view the full conference agenda, visit <https://www.lng2023.org/lng-programme-overview>