

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.



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## PFLNG DUA KEY SUCCESS FACTORS FOR SMOOTH COMMISSIONING AND START UP

The commissioning and start-up of PETRONAS Floating Liquefied Natural Gas Dua (PFLNG DUA) has been a remarkable journey marked with outstanding achievements. PFLNG DUA was able to achieve a record-breaking 1st LNG drop in just 7 days, a 1-month early delivery of LNG maiden cargo, the successful completion of 48 hours PTR (Performance Test Run) in a single trial, and Provisional Acceptance one month ahead of schedule on June 5, 2021.

The outstanding achievements of PFLNG DUA commissioning and start-up were driven by having open collaboration between EPCIC contractors, technology providers, and the owner by leveraging strength from all parties to develop five strategies for flawless start-up.

These strategies included:

- 1) Integration of project lessons learned from previous LNG projects execution.
- 2) Focused execution commissioning philosophy which includes maximizing onshore commissioning activities where key activities that impacted 1st LNG drop were done as much as possible at onshore to minimize risk at offshore.
- 3) Simplification by process design that provides flexibility to commissioning sequence and operation.
- 4) Smooth start-up programme and its enhancement that assisted in the early identification of issues and implementation of countermeasures.
- 5) An integrated offshore execution team with Owner operations and maintenance team while maintaining EPCIC contractors responsibility and accountability

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