

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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UNLOCKING VALUE FOR PETRONAS LNG COMPLEX (PLC) VIA ARIES

PETRONAS LNG Complex (PLC) aims to be an agile and digital-savvy LNG production complex that's powered by advanced analytics to unlock greater value for PETRONAS and its customers.

Guided by PETRONAS' Moving Forward Together MFT 50.30.0 strategy, Project ARIES implemented the first engineering-enabled digital solution at PLC with automatic control from Advanced Analytics/Machine Learning (AA/ML) model. Seven (7) advanced analytic solutions were installed whereby six (6) are registered under Energy Efficiency for LNG operations of MLNG Satu, MLNG Tiga and Train 9, while the remaining one (1) is registered under Fuel Gas Distribution Network Optimization between process modules and terminal.

To date, more than RM50 million in value has been unlocked through optimum use of power, boil off gas and raw feed gas which resulted in fuel gas savings and reductions in flaring.

The successful implementation of these solutions was achieved through strong collaboration between PLC, Group Technical Solution (GTS), Group Digital (GD) and NervCentre of PETRONAS. The digital solutions under Project ARIES also achieved the best compliance rate of >95-100% and uptime of >80% since commissioning in June 2022

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