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WEBINAR TALK

HOT TAPPING WORK FOR PIPELINES: CHALLENGES AND IMPROVEMENT IN GAS PIPELINE PROJECTS

ORGANISED BY:

OIL, GAS AND MINING TECHNICAL DIVISION, IEM

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12 OCTOBER 2024, SATURDAY



9.00AM - 11.00AM



ZOOM WEBINAR

SPEAKERS:



MR EZZAD IZAIDY BIN ZAKARIA



TS. MOHD AMLI BIN ISMAIL

REGISTRATION FEE

IEM STUDENT : FOC

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SYNOPSIS

Hot tapping activities for pipelines has played major role in gas transmission facilities that requires major modification without impacting the current operation. Hot tapping is a critical technique used in pipeline maintenance and modification, allowing for connections to be made to existing pipelines online without shutting them down. Although this activities are quite common in the industry, the execution requires strict implementation on the design, materials integrity and safety aspect. A slight error may lead to catastrophic consequences.

This paper will discuss various aspects of hot tapping activities, including an overview, sequence, challenges and lessons learned from recent onshore pipeline projects. It highlights issues encountered during hot tapping, such as material defects and procedural shortcomings, and provides recommendations for improvement.

SPEAKER'S PROFILE

MR EZZAD IZ Aidy Bin Zakaria

Ezzad has been involved in the pipeline design and construction for more than 10 years. He started his career in 2004 with United Engineers (M) Qatar as project engineer and later started his career as Pipeline Design Engineer in an international engineering consultant (Wood Group Sdn Bhd) with involvement in various projects with oil & gas exploration and operating company such as PETRONAS, SHELL, Murphy Oil and KPOC. He has completed multiple pipeline projects locally and abroad mainly in the middle east. He is currently Senior Engineer with PETRONAS Group Technical Services.

TS. Mohd AmlI Bin Ismail

AmlI has more than 16 years experience in pipeline industry. He began his career in 2006 in pipeline operations & maintenance, with in-depth knowledge & skill in managing liquid and gas pipeline at Kertih, Terengganu. He then ventured into pipeline engineering design & installation/construction and had completed several pipeline projects in Malaysia. He is currently holding a position as a Staff Engineer in pipeline engineering in PETRONAS Technical Services Sdn. Bhd.