Organised by:
Oil, Gas and Mining Technical Division, IEM

The Institution of Engineers, Malaysia

Webinar Talk on

CHEMICAL SOLUTION IN FLOW ASSURANCE TECHNOLOGY FOR OIL AND GAS OFFSHORE PIPELINE

11 APRIL 2026, SATURDAY

9.00AM - 11.00AM

MR RASYAD EMIR

WEBINAR

BEM APPROVED CPD: 2
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SYNOPSIS

Drag Reducing Agents (DRAs) are high-molecular-weight polymers that minimize frictional pressure loss in turbulent pipeline flows. By dampening turbulent eddies and reducing energy dissipation, these additives increase throughput and operational efficiency without requiring costly infrastructure modifications. This will lead to potential increase flow volume in the pipeline.

This webinar explores the fundamental mechanisms of drag reduction and addresses critical performance factors like shear degradation and compatibility. Participants will examine real-world case studies and optimization strategies, focusing on the specific challenges of implementing DRAs within multiphase and high-shear environments common in Malaysia's offshore oil and gas sectors.

SPEAKER'S PROFILE

Rasyad Emir graduated with a Bachelor of Science in Theoretical Physics from the University of Manchester in 2011 and previously worked as a researcher at Universiti Malaya (2011 - 2016) where his work focused on weak interaction processes and symmetry violations in particle physics and astrophysical environments. His research included investigations into parity violation in the beta decay of Cobalt-60, theoretical studies on flavour violations in charged leptons beyond the Standard Model and the production of Phosphorus in massive stars.

In 2024, he joined Streamflex Sdn Bhd as Chemical Division Director, where he leads the development and application of chemical solutions for the oil and gas industry, including Drag Reducing Agents (DRA), sand agglomeration chemicals, clay stabilisers, and related flow assurance technologies.