

Webinar Talk on Common Piping Systems Issues during Petrochemical Plants Start-up

CPD Hours : 2 CPD Ref No : IEM23/HQ/029/T(w)

Oil, Gas and Mining Technical Division

SYNOPSIS

A typical Petrochemical Plant start-up normally falls into 2 different scenarios; one is a fresh start-up after project Mechanical Completion, and the other is a restart-up after Plant shutdown or after undergoing a preservation phase. During a Plant start up, many issues can arise due to untested piping systems up to the normal operating condition, or up to the maximum operating condition. The talk will describe common issues for these piping systems during a Plant start-up with some examples of case studies and provide guidance on what Mechanical/Piping Engineers must anticipate and how to mitigate them for future reference.

SPEAKERS

Ir. Haniza Haron started her career as a Mechanical Engineer in 2006. She has 17 years of experience in the oil and gas industry, including in Project, Maintenance, Operation Readiness and Reliability. As the Business Technical Authority, she and her team look after all piping systems, estimated at 11 million dia-inch (equivalent to the distance from Malaysia to Pakistan) in the Plants. She is a certified Structured What-If Technique (SWIFT) Leader, Root Cause Analysis (RCA) Silver Button Leader, certified Authorized Entrance and Standby Person (AESP), appointed External Examiner for universities. She graduated in 2006 with a degree in Mechanical Engineering from Universiti Teknologi PETRONAS. She is a registered Professional Engineer with Practicing Certificate with the Board of Engineers Malaysia and a member of the Institution of Engineers Malaysia (IEM). She is employed as a Piping Specialist.



Ir. Haniza Binti Haron
Piping Specialist

Mr. Chia Wei Chin started his career as a Mechanical/Piping Engineer in 2016 in a project management team with experience in Engineering, Procurement and Construction (EPC) of refinery construction, Turnaround and maintenance in the oil and gas industry. He has been involved in numerous troubleshooting activities for piping systems, including vibration issues to ensure the Plants are running in a safe condition. In addition to doing maintenance work, he is also involved in many piping systems leakage repair works to avoid Plants shutdown. He graduated with a degree in Mechanical Engineering in 2016 from Universiti Malaya. He is a registered graduate member with the Board of Engineers Malaysia and works a Senior Piping Engineer.



Mr. Chia Wei Chin
Senior Piping Engineer

Saturday | 25 February 2023 | 9AM – 11AM

Registration Fee:

Student Member: Free | IEM Member: RM15 | Non-Member: RM70

Register online | www.myiem.org.my