



TWI Oil & Gas Industry Panel Meeting

Theme: Latest Developments in Materials, Manufacturing and Integrity Management for the Energy Sector

Date:

Tuesday 7th Feb 2023

Venue:

Section U5, Jalan Utarid U5/13, Mutiara Subang, 40150 Shah Alam, Selangor, Malaysia

AGENDA

08:30 – 09:00	Arrival & Refreshments	
09:00 – 09:15	Welcome & Introduction	Dietmar Kok; Deputy Regional Manager of TWI SEA
09:15 – 09:30	TBC	John Hill; Director of Technology
9:30 – 9:45	TWI and Membership	Amina Salman; O&G Sector Manager
Session 1: Materials Performance		
09:45 – 10:35	Materials Performance and Failure Analysis – An Overview	Kasra Sotoudeh; MPC Section Manager
10:35 – 11:00	Non-metallic materials in Energy Sector	Amir Khamsehnezhad; NPT Section Manager
11:00– 11:15	Break	
Session 2: Additive Manufacturing		
11:15 – 11:40	Large Part Manufacturing	Carl Hauser; LAM Section Manager
11:40 – 12:05	AM Qualification and Certification	Carl Hauser; LAM Section Manager



12:05 – 12:20	Metallurgy and Corrosion of AM Parts	Kasra Sotoudeh; MPC Section Manager
12:20 – 13:20	Lunch	
Session 3: Digital Technologies in NDT		
13:20 – 13:45	Automation and robotics in NDE	Ian Cooper; Technology Fellow and NDE R&D Programme Manager
13:45 – 14:10	AI and software approaches for data analysis	Ian Cooper; Technology Fellow and NDE R&D Programme Manager
Session 4: Asset Integrity Management		
14:10 – 14:35	Utilizing fully quantitative RBI models in the integrity assessment for the Boilers – A Digitalized decision-making Approach	Mehran Izadkhah; TWI SEA
14:35 – 15:00	Technical Solutions for the Integrity management of non-accessible Buried cooling water Pipelines.	Mehran Izadkhah; TWI SEA
15:00 – 15:15	Break	
15:15 – 16:00	Panel session moderated by Amina/Dietmar	All
16:00 – 16:15	An overview of TWI's ongoing JIPs	Amina Salman; O&G Sector Manager
16:15	Meeting Closure	