

# Technical Seminar

Date: 5 Dec 2019 (Thursday) Time: 9:00am-4:00pm

## Advancement Of Joining Technology Used In The Petrochemical Industry

Organised by :



in collaboration with:



### Objective:

The objective of this seminar is to highlight new technological advancements in welding materials used in the Petrochemical industry. The seminar will be presented by technical experts from Esab, Poulton Technologies and Aotai Welding Technologies.

### ESAB: Welding Consumable Advancements

- Overview of petrochemical plants and the rationale behind the material selection to its fluid mediums.
- Advancement of High Temperature Materials Eg; CrMo and Nickel Based Alloys in addressing the challenges of increased service life, elevated temperatures, increased pressure and improved corrossions resistance.
- Basic corrosion problems in Oil Refinery and Petrochemical plants, and how welding consumables are formulated to resist common failures.
- Exploring the art of cladding techniques for huge cost improvements. Discussing the art of weld-overlaying, weld dilution control secrets and best practices to apply during fabrication.
- Best practice for dissimilar welds. How to properly weld materials of different grades together.

### Poulton Technology: Non-Welded Permanent Pipe Connector

- Introduction to non-welded permanent pipe connectors, and how these new generation of pipe connection can be your magical solution for connecting pipes without arc welding.
- Dangers of hot-working in plant - H2S risk
- Cost Comparison: Pipe connector Vs Conventional Welded Joints. Skipping NDT, PWHT and reduce inspection costs.

### Introduction to Semi-Automatic Hot Wire TIG Process

- Basic principles of semi-automatic Hotwire TIG.
- Application advantages for Hot-Wire TIG, discussion on productivity acheivements during welding, and also how the process can help achieve desired mechanical properties.



**ESAB ASIA PACIFIC**; Sukamal Naskar – IWE/EWE Welding Engineer and also Technical Product Manager in Petrochem and Powerplant Segment.



**NET-LITE MALAYSIA**; Eric Cheah – IWE/EWE Welding Engineer and also Council Member of WIM



**POULTON TECHNOLOGIES**; David Lai – Regional Director; has experience in Petrochemical and Oil & Gas Industries, relating to onsite services like hot tapping/leak repair/in-situ machining, portable clamshell systems



### Who should participate?

Managers, Engineers, Technicians, Contractors who are involved in production, maintenance, QA/QC in the chemical, petrochemical, Offshore fabrication industries and anybody else who is passionate to learn about new joining technologies

### Location:

**TWI Technology (S.E.Asia) Sdn Bhd**

No. 1 Jalan Utarid U5/13, Section U5, Mah Sing Integrated Industrial Park, Bandar Pinggiran Subang, 40150 Shah Alam, Selangor.

### Registration:

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WIM is a non-profit membership organisation with a mission to provide a wide range of technical, networking and support services in the field of welding, joining and allied technologies.