

## WEBINAR

# Critical Process Safety Design Aspects in Greenfield Oil & Gas Projects

CPD Hours : 2 CPD Ref No : IEM21/HQ/252/T(w)

Oil, Gas and Mining Technical Division

## SYNOPSIS

Process Safety Management is a critical aspect that needs disciplined and thorough considerations in the design, operation and maintenance of a Plant that processes hydrocarbons. The tasks normally fall on a select few of Engineers who are knowledgeable and trained with a specific set of skills. This talk will shed some light on them and the required competencies.

In the design phase, these Engineers are normally tasked to carry out the Conceptual study until completion of a Project. These engineers must equip themselves with knowledge on open art technology, licensed technology, Plant operation, equipment packages, commissioning and Engineering to ensure a smooth start-up and stable operation of a Plant Process units. They need to develop the optimum process conditions, taking into account uncertainties in fluid compositions, operating modes and required flexibility in the operating conditions.

They must also check and incorporate impact of regulatory requirement, site data, utility data and meteorological data in equipment design. It is under this strict environment that process safety aspects are applied and practiced.

## SPEAKER

### En. Sallehuddin B Sidek

En. Sallehuddin Sidek started his career as a Process Engineer in 1987. He has more than 30 years of work experience of which 10 years were in a Gas Plant operation and another 24 years in various projects assignment. He has been involved in numerous tasks in Plant Operation, Plant Turnaround, Plant Start-up and Shutdown, Production Planning, Pre-commissioning and Commissioning. In addition, he has also undertaken many Engineering design work ranging from Feasibility studies, De-bottlenecking studies, Plant modification and Basic design coupled with some Engineering and Project Management work.

En. Sallehuddin is instrumental in PETRONAS Technical Standards (PTS) transformation, development of Process Design Manual, development of Process basic technical requirement and enhancement of the Design Engineering Management Manual. He is also a panel member for the development of PETRONAS' Skill Group Technology Inventories and Rulers, a University Adjunct Lecturer and External Examiner. He is currently the PETRONAS' Design Integrity Custodian Engineer and the Group and Technical Authority for PETRONAS.

En. Sallehuddin graduated with a BSc. in Chemical Engineering degree from Oklahoma State University, USA in 1987.

**Wednesday | 8 September 2021 | 5PM – 7PM**

**Registration Fee:**

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

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