

Speaker interview with **Zainal Amar Zainal Abidin, Senior Materials Engineer, Project Delivery & Technology (PD&T), Petroliam National Berhad (PETRONAS).**

He will be sharing on developing a downstream self-regulation framework and its best practices on 25th October.

1. At Petronas, what is some of the work you are doing that will interest downstream operators? Are there any new findings which is worthy of mention?

Building on the success of the Offshore Self Regulation framework to develop a downstream self regulation framework, to be piloted at the Pengerang Integrated Complex in Johor. The development involved a regulatory benchmarking exercise, with best fit elements from the host governments' regulators and operators integrated into this framework.

2. What are the latest technology adoptions by downstream operators in Asia? Are there any success stories that other operators can learn from?

In the asset integrity field; new automated, wireless non-intrusive condition monitoring technologies that feed into integrated dashboards or can push notifications to responsible persons

3. What are your views on Asia's downstream industries rate of digitalisation as compared to counterparts in other regions i.e. America, Europe and the Middle East markets?

Downstream markets in the developing world are seen as more vibrant and receptive of new technologies as opposed to the maturing markets ie US, EU & Japan where the climate is more towards consolidation, and adoption of more incremental technologies to extend asset life and obtain more efficiency. Digitization is more of a stepwise change and is more easily adopted by players in the earlier parts of their life cycle

4. What's the greatest impact IoT, data analytics and AI will have on the industry? What lies ahead of operators and how will they adapt?

More information will demand a more structured approach to everything from operations planning to alarm management to make sure the data enables optimized decision making instead of data paralysis

5. What will be the highlight of your presentation at Asian Downstream Summit?

How self-regulation in the downstream sector will enable greater asset integrity and OSH performance when done right, freeing up govt. resources and enabling optimized operational schedules.