



Speaker interview with **Jefferi bin Kamarudin, Principal Engineer (Machinery Control), Instrument Section, Engineering Department, PETRONAS Penapisan Melaka Sdn Bhd, Malaysia.**

He will be presenting on *“Going Digital –Refinery of the Future”* as he shares how refineries will look like in the future and what are the next generation of digital plants.

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

- Digital initiatives embarked at the plant floor up to the boardroom:
- From paper to glass: New way of managing Safety Critical Elements bypass
- Dynamic Risk Analyser: Early warning anomaly detection
- Reliability and Operational insights dashboards
- Equipment analytics platform
- Pervasive Sensing: Wireless sensors network covering corrosion and pressure/flow/temp/level
- Robotics in plant inspections: Reducing inspection time and improving personnel safety

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

The highlight of my presentation will be sharing with the audience on real case studies about:

- From paper to glass: New way of managing Safety Critical Elements bypass
- Dynamic Risk Analyser: Early warning anomaly detection
- Pervasive Sensing: Wireless sensors network covering corrosion and pressure/flow/temp/level
- Robotics in plant inspections: Reducing inspection time and improving personnel safety.