



PETRONAS

Innovation Gateway @ PETRONAS

A Single Digital Platform for technology crowdsourcing

Presenter:

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Innovation Gateway @ PETRONAS

<https://innovation.petronas.com>

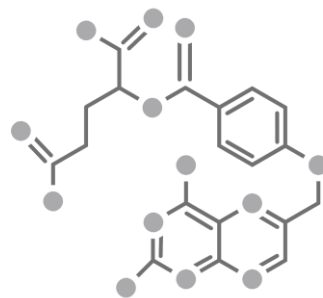
- ▶ **A Single Digital Platform** for PETRONAS' Open Innovation
- ▶ **Created to facilitate collaboration** in the areas of technology for potential adoption and application in PETRONAS
- ▶ **Aimed to accelerate Pace** in the deployment and replication of innovative technology solutions in PETRONAS Assets in Upstream, Downstream and Gas & New Energy

What is Technology Challenge?

▶ A technology crowdsourcing competition to seek innovative solution to address PETRONAS business pain points

▶ Opportunity to jointly develop the winning solution with immediate demonstration in PETRONAS facilities

Calling for Proposal



Technology Challenge 11

Organic Acid Corrosion Prevention & Mitigation for Carbon Steel Topside Piping & Equipment

Technology Challenges Published by PETRONAS to date

1

Monetisation of Associated Gas from Offshore Flares

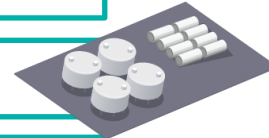


2

Field Inspection Tool for Composite Overwrap Repairs over Carbon Steel Pipelines and Piping

3

Onshore Hydrocarbon Recovery from Sludge



4

Effective Field Inspection Tool to Detect and Assess Corrosion Under Insulation (CUI) for Nozzles and Piping System

5

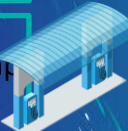
Total Technology Solution for Prediction, Removal and Prevention of Chloride-Induced Corrosion

6

Autonomous Drone Capable of Performing Ultrasonic Thickness (UT) Inspection at Height

7

Total Solution for Crack-Resistance, Liquid-Tight and Maintenance-Free Tank Sump and Dispenser Sump at PETRONAS Stations



8

Technology Solution for Thermal Oxidizer Flue Gas SOx Emission Reduction

9

Safe & Durable Boat Fender Technology

10

Compact Refrigeration System For Natural Gas Processing



What is Technology Marketplace?

- ▶ Created to be the **Single Submission Point** for external technology providers to bring forth technology offering for PETRONAS consideration
- ▶ Aimed to facilitate the **submission and technology approval** to further improve the oversight of incoming new technology offerings



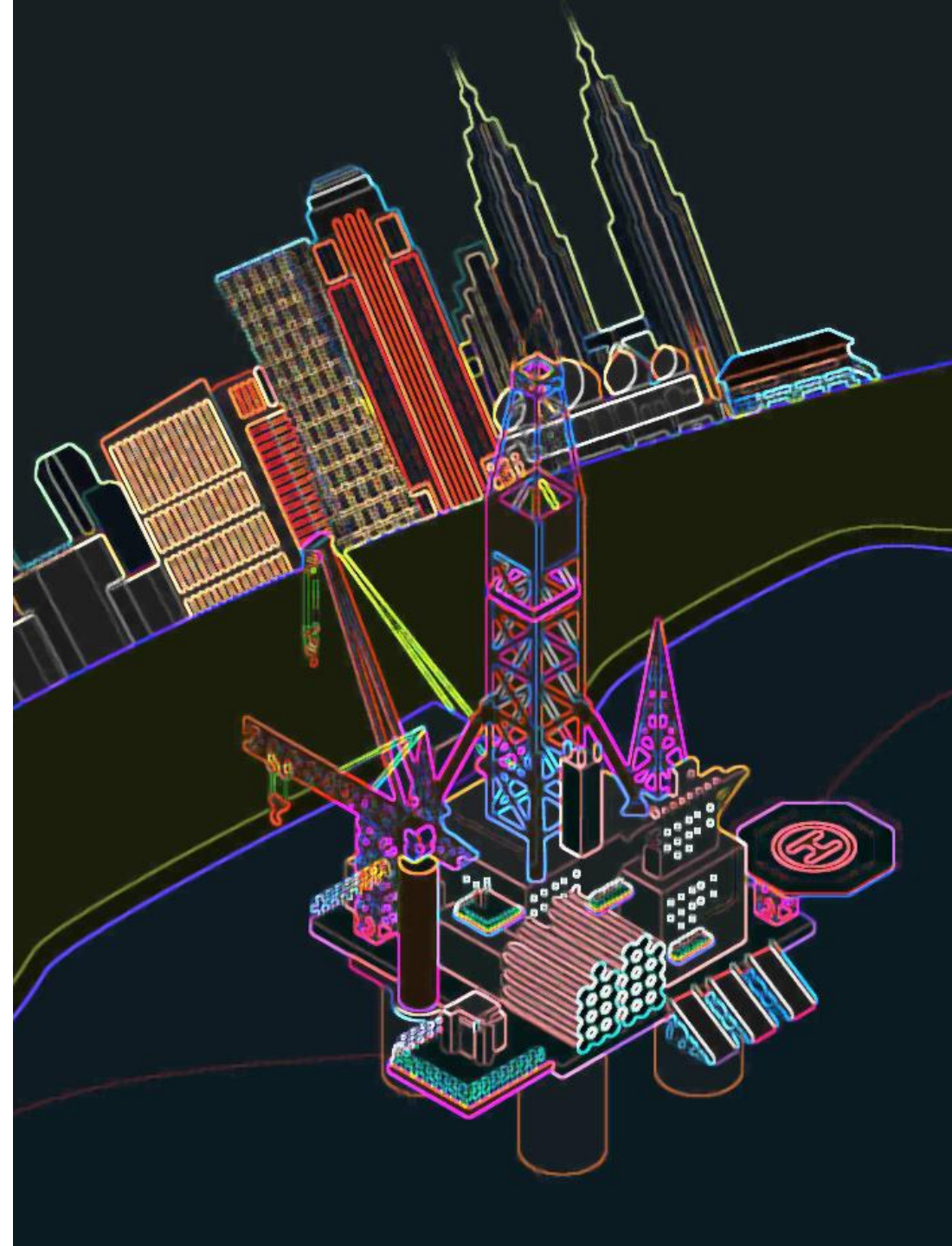
1. Register your company
2. Submit your technology



Upon submission of the technology offering(s), proposal(s) will be made accessible to PETRONAS for evaluation and validation



Technology deployment to PETRONAS upon suitability



Thank you for your passion!



Innovation Gateway @ PETRONAS is accessible at

<https://innovation.petronas.com>