

October 2023

## Connecting the Dots via Enterprise Optimisation Centre

PETRONAS | Abdul Rahim & Dang Sri Annim

#### A PROGRESSIVE ENERGY AND SOLUTIONS PARTNER

- Established since 1974, PETRONAS is the custodiam of Malaysia's oil and gas resources; and is entrusted with the responsibility of developing and adding value to these resources.
- FORTUNE Global 500 energy company with a presence in over 50 countries.
- As a fully integrated petroleum corporation covering Upstream, Gas and Downstream, PETRONAS operates with the mandate to produce affordable, reliable and greener energy in a sustainable manner.
- PETRONAS is committed to meet the world's growing energy needs in a responsible and holistic manner by leveraging on our Three-Pronged Growth Strategy.



## CONNECTING THE DOTS VIA ENTERPRISE OPTIMISATION CENTRE



A Unified Experience for PETRONAS by providing end-to-end visibility of key enterprise data and insights; enabling value-driven decision making.

Integrated key enterprise data across the businesses and deployed the all-in-one view of PETRONAS enterprise operations

Improve business agility and speed of decision making by providing visibility of optimized operations at enterprise level



## STRENGTHENING PETRONAS RESPONSE TO MAKE CRITICAL CROSS-BUSINESS DECISIONS



Improve visibility and transparency of key enterprise data



Increase pace in responding to rapid changes in marketplace



Optimize operations to meet delivery commitment



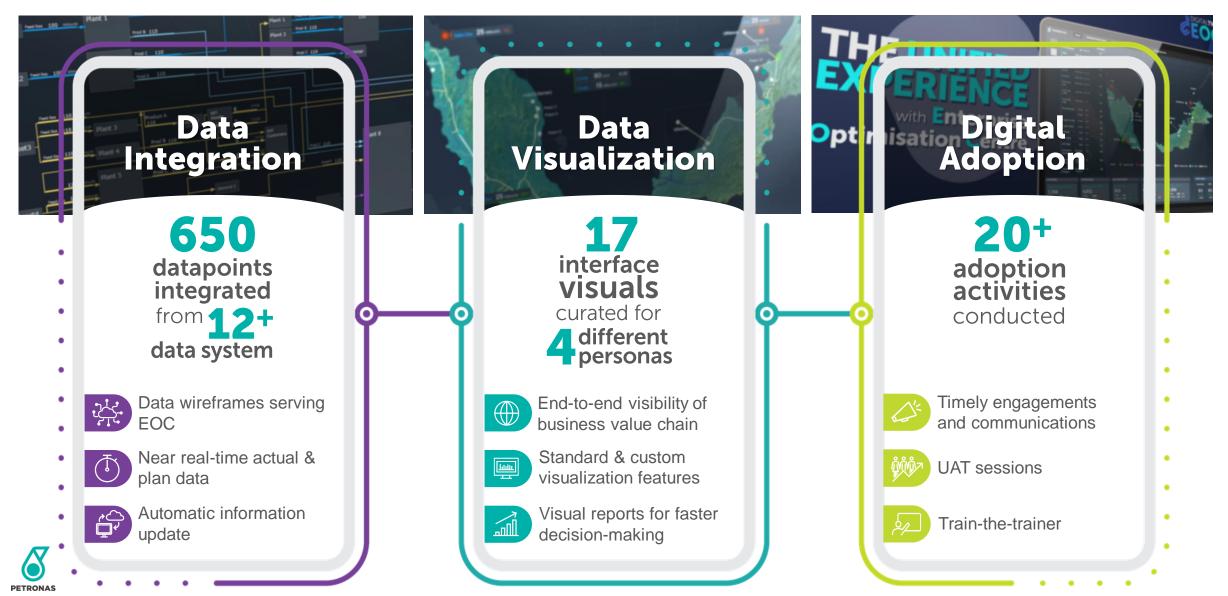
Transition from reactive to proactive "way of working"



## ENTERPRISE OPTIMISATION CENTRE FOR ENTERPRISE DECISIONS; EMPOWERED BY GUARDRAILS, WORK PROCESS & DIGITAL TOOLS.



### ENTERPRISE OPTIMISATION CENTRE: PHASE 1 WAS DELIVERED THROUGH 3 TRACKS IN A TOTAL OF 5 MONTHS



## ENTERPRISE OPTIMISATION CENTRE: PHASE 2 SHIFTED EFFORTS TO FURTHER ENHANCE ENTERPRISE VISIBILITY

# MOLECULE COMMERCIAL EMMISION Plant 2 Read Set 110 MARKET Plant 3 Read Set 110 MARKET Plant 4 Read Set 110 MARKET Plant 4 Read Set 110 MARKET Plant 4

#### **Assign monetary and CO2e values**

to each molecule in real-time as it traverses the integrated value chain

#### Viewing operations through prisms

of production excellence, commercial performance, and emission impact



## ENTERPRISE OPTIMISATION CENTRE: PHASE 2 ELEVATED GROUP-WIDE PLANNING AT ENTERPRISE SCALE

#### **MOLECULE**

Assess feed product flowrates, physical distribution networks, and processing efficiencies

#### **COMMERCIAL**

Evaluate intercompany transactions, business equities, and product pricing.

"What-If" functionality allowing the examination of potential future scenarios and their impact on the value chain



**Recognize and capitalize** on opportunities, while anticipating risks and swiftly mitigating crises

## ENTERPRISE OPTIMISATION CENTRE PROVIDE DATA TRANSPARENCY FOR AGILITY IN DECISION MAKING



#### **Transformational Way of Working**

End-to-end visibility of key enterprise data across integrated value chains

#### **Enhance Business Agility**

The scenario planning solution built in EOC provides opportunity to expedite business growth strategies

#### **Towards Sustainable Operations**

Integrating with carbon flows facilitates transparency for decarbonizing efforts





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## Any questions?

Please wait for the microphone.

Do state your name and company as well.