



PETRONAS

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Connecting the Dots

Enterprise Optimisation Centre

PETRONAS | Abdul Rahim & Dang Sri Annim

A PROGRESSIVE ENERGY AND SOLUTIONS PARTNER

- Established since 1974, PETRONAS is the custodian 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



Goal

Solution

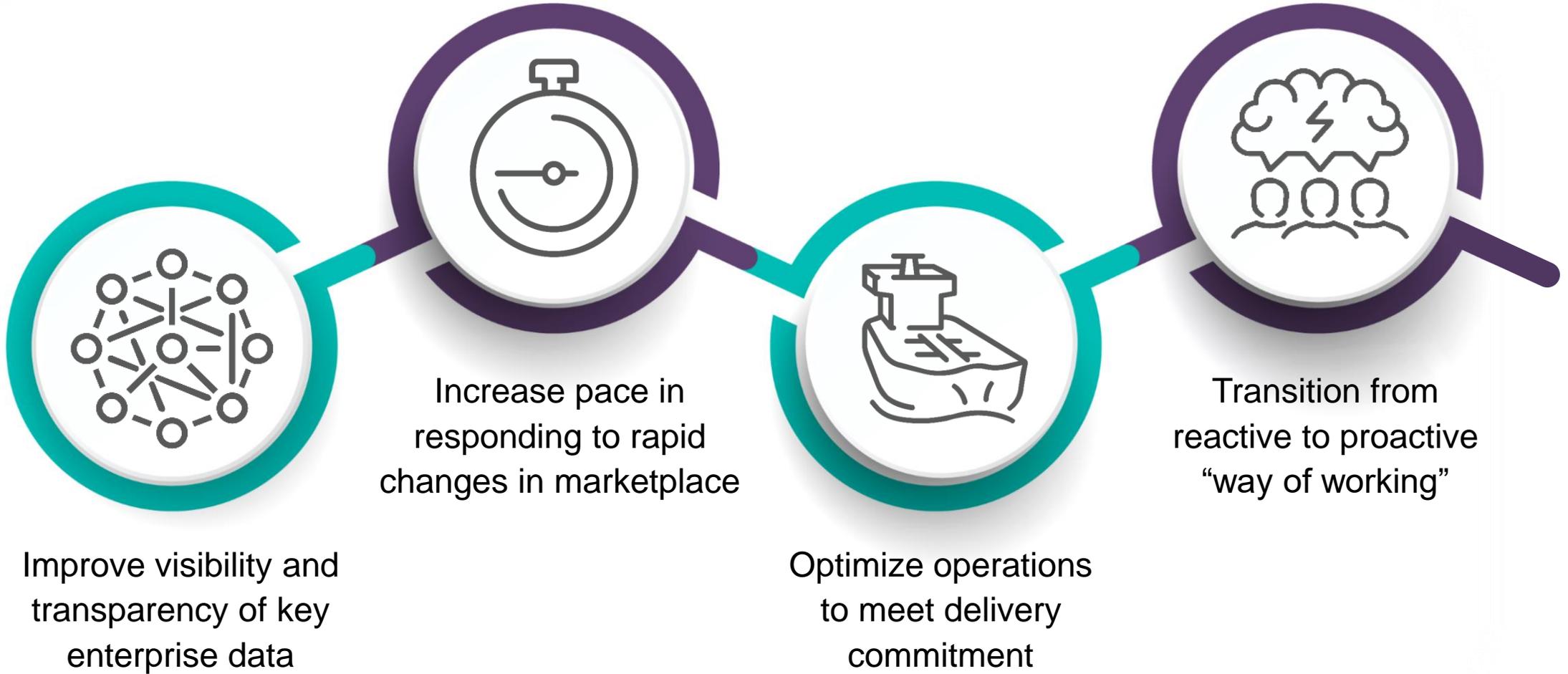
Benefits

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 using AVEVA Unified Operation Centre

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

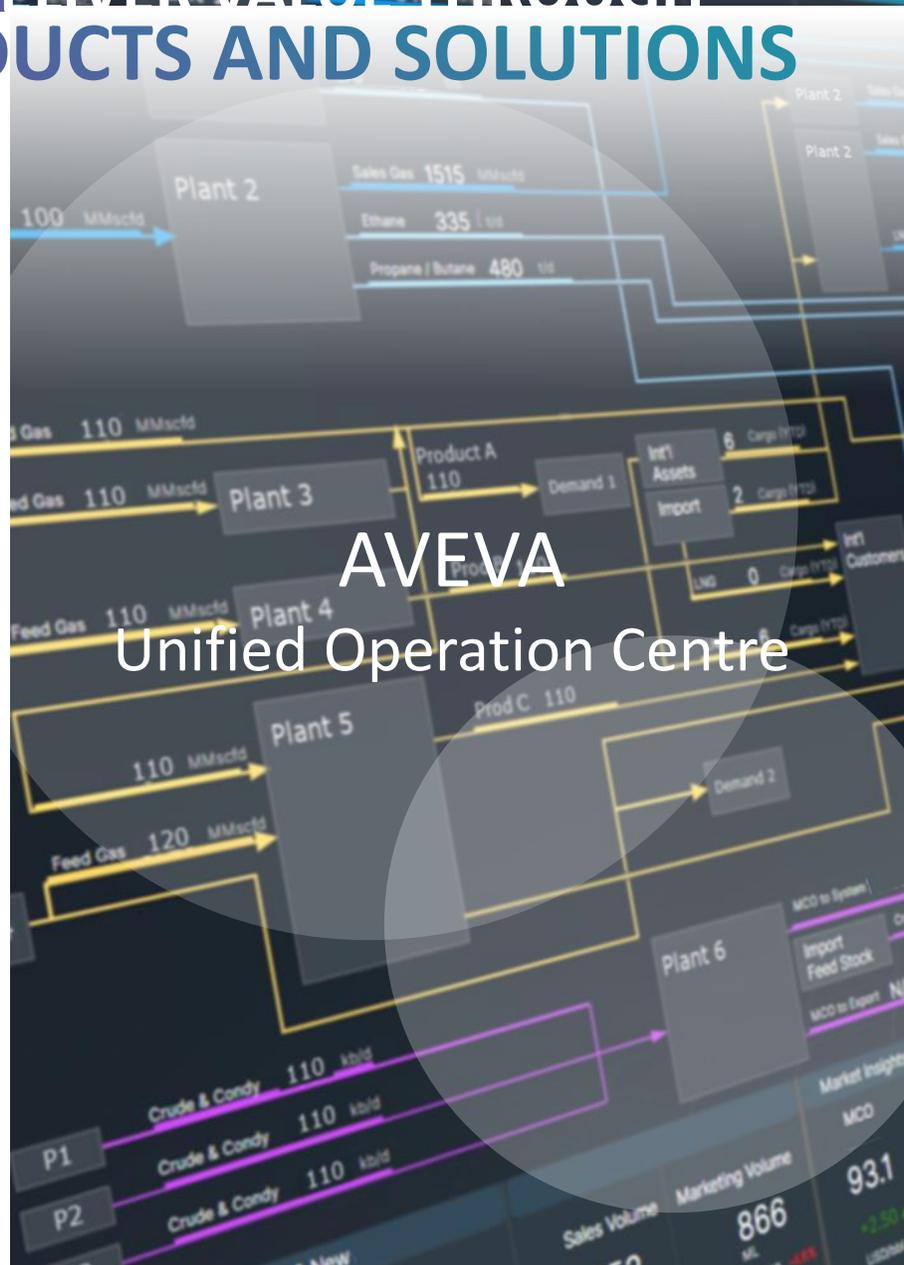


HARNESSING DATA TO DELIVER VALUE THROUGH TECH-DIGITAL PRODUCTS AND SOLUTIONS

5 billion+

AVEVA PI System data points are generated daily

Multiple tech-digital solutions leverage on data available in the AVEVA PI System



AVEVA
Unified Operation Centre

650 curated data points from all business sectors

Custom visualizations to quickly and effectively troubleshoot

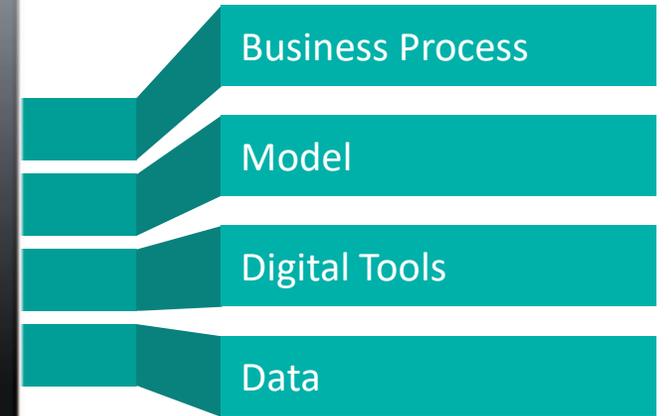
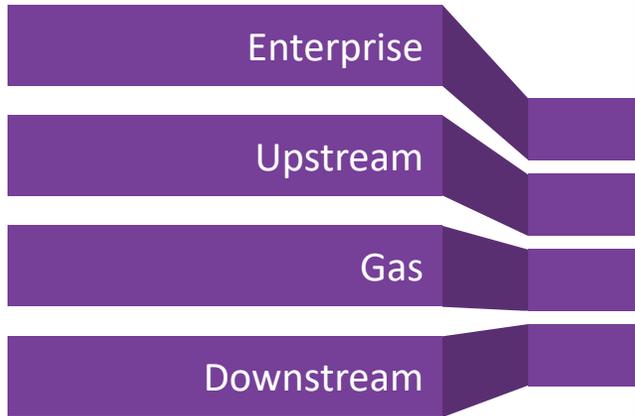
Accessibility to broad range of data sources and datasets

AVEVA PI World in Amsterdam 2022

ENTERPRISE OPTIMISATION CENTRE FOR ENTERPRISE DECISIONS: GUARDRAILS, WORK PROCESS & DIGITAL TOOLS.

Subject Matter Experts 

 Key Enablers



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

Data Integration

650
datapoints
integrated
from **12+**
data system

-  Data wireframes serving EOC
-  Near real-time actual & plan data
-  Automatic information update

Data Visualization

17
interface
visuals
curated for
4 different
personas

-  End-to-end visibility of business value chain
-  Standard & custom visualization features
-  Visual reports for faster decision-making

Digital Adoption

20+
adoption
activities
conducted

-  Timely engagements and communications
-  UAT sessions
-  Train-the-trainer

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



Expansion of Use Cases

The foundation built in EOC Phase 1 provides opportunity to expand the use cases



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.



Thank you for your passion!