

BACKGROUND

Project ARIES is transforming PETRONAS from the inside out, towards agile, digital-savvy organization, focusing on outcome-based delivery model and unlocking greater value to PETRONAS, turbo-charged by engineering and advanced analytics.

Current State

Aspired State

Untapped Data

Refocus engineering from delivery-based to value-based

Fragmented Information

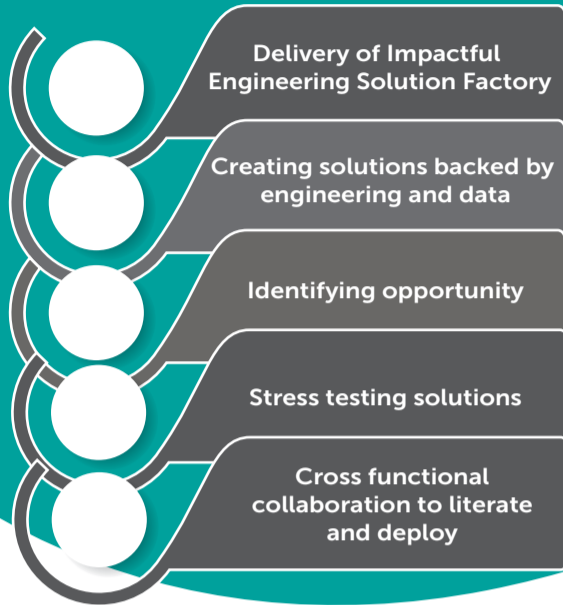
Universal aggregator technical insights

Rigid Engineering

Engineering agility & flexibility

OBJECTIVE

Creating replicable and scalable solutions and nurturing capabilities that set PETRONAS up for long term, sustainable success by building new Techo-Digital work process and capability



Project ARIES

"Generating Value through Data"



METHODOLOGY

Delivering "data-backed, value focused" techno-digital engineering solutions at pace

1. Engineering Consultancy

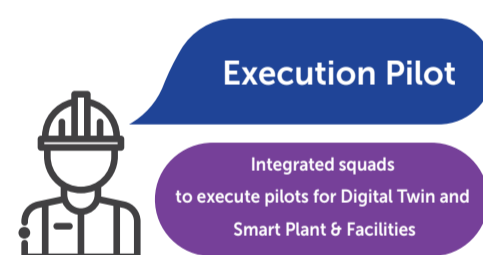
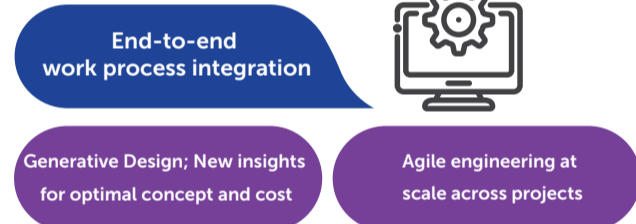
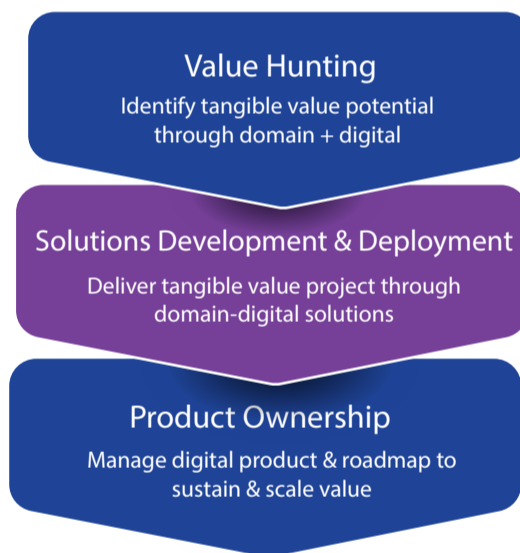
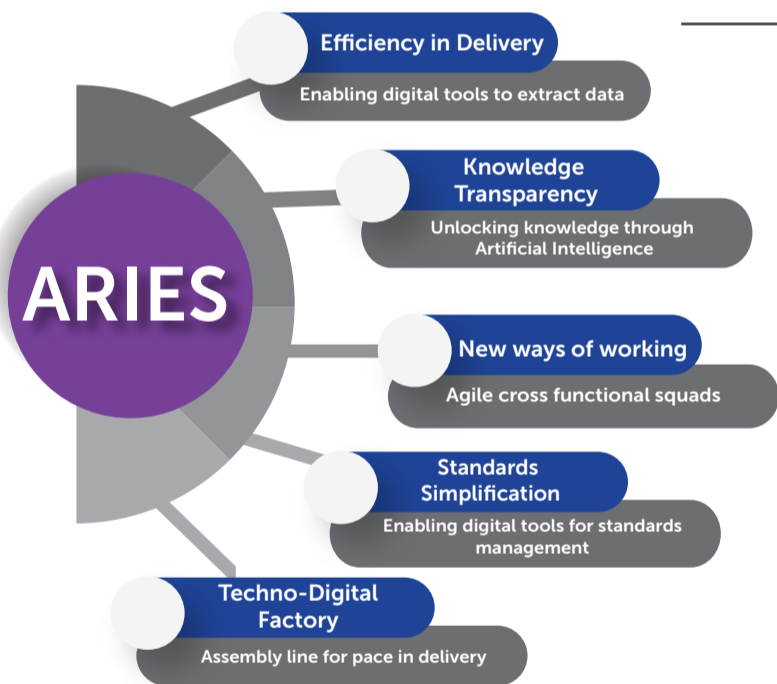
Driving Innovation, realizing digital

2. Plant Facing Solution

delivering high value-creating engineering solutions

3. Project Facing Solutions

Improve project viability by driving down cost



RESULT

World Economic Forum (WEF)
Selected as the finalist for WEF lighthouse certification

Value Obsession Framework
>90% realised cash generation

Techno-Digital Plant Solution

13 solutions in 10 months

Change Adoption
76 change interventions with **>90%** adoption rate

6% Plant-wide CO2 Emission reduction

Techno-Digital Factory
45% reusable code blocks

***3%** increase in OEE

Analytics Translator Plus (AT+)
585 translators trained

*sample operating units (OPU)

CONCLUSION



Vision

Creating value from data through Techno-Digital convergence



Process

The Techno digital Factory utilising assembly line approach



People

Equipping talents with the analytics translator skillsets