

Digital Transformation through Pertamina Digital Factory in Enhancing Gas Pipeline Business

Digital Transformation has been identified as a key enabler in Pertamina's RJPP to "foster energy resilience"

DT Role in Pertamina RJPP 2025-2029

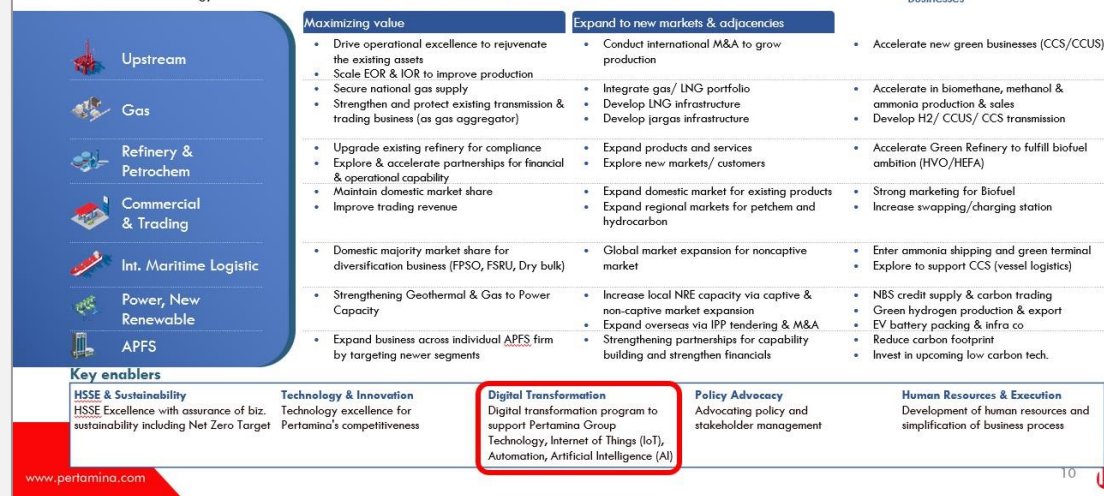


Digital Transformation as the key enabler for Pertamina to achieve ambition based on Dual Growth strategy

RJPP 2024-2029 (supl. 2034) focuses on Dual Growth Strategy

Strengthening the legacy business

Building low-carbon Businesses



Digital Transformation as one of the enablers to support Pertamina's aspiration of **fostering energy resilience**:

1 Maximizing legacy business

2 Building low carbon business

Digital Factory acts as an accelerator to deliver the digital initiatives in Digital Transformation



Digital Factory

An end to end process that used to identify, design, develop, test, pilot and launch new digital initiatives (product or services)



Partnership & Cloud Enablement

Establish strong partnership with industries expertise and academic institution to accelerate delivery of highly valuable digital products



Organizational Capability

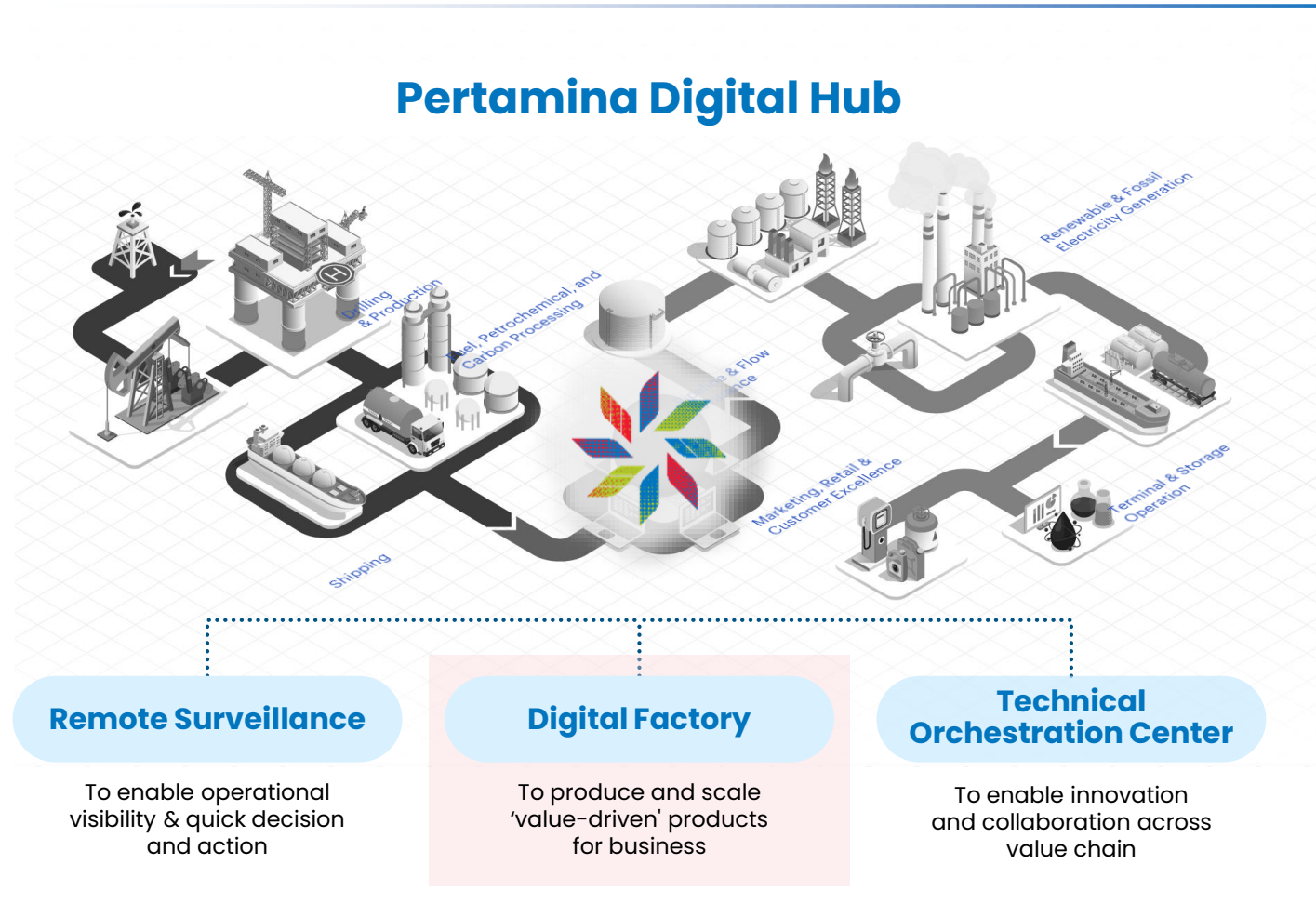
Enhancement of digital competencies would bring Pertamina to move forward as a mature digital fluency state



Culture & Change Management

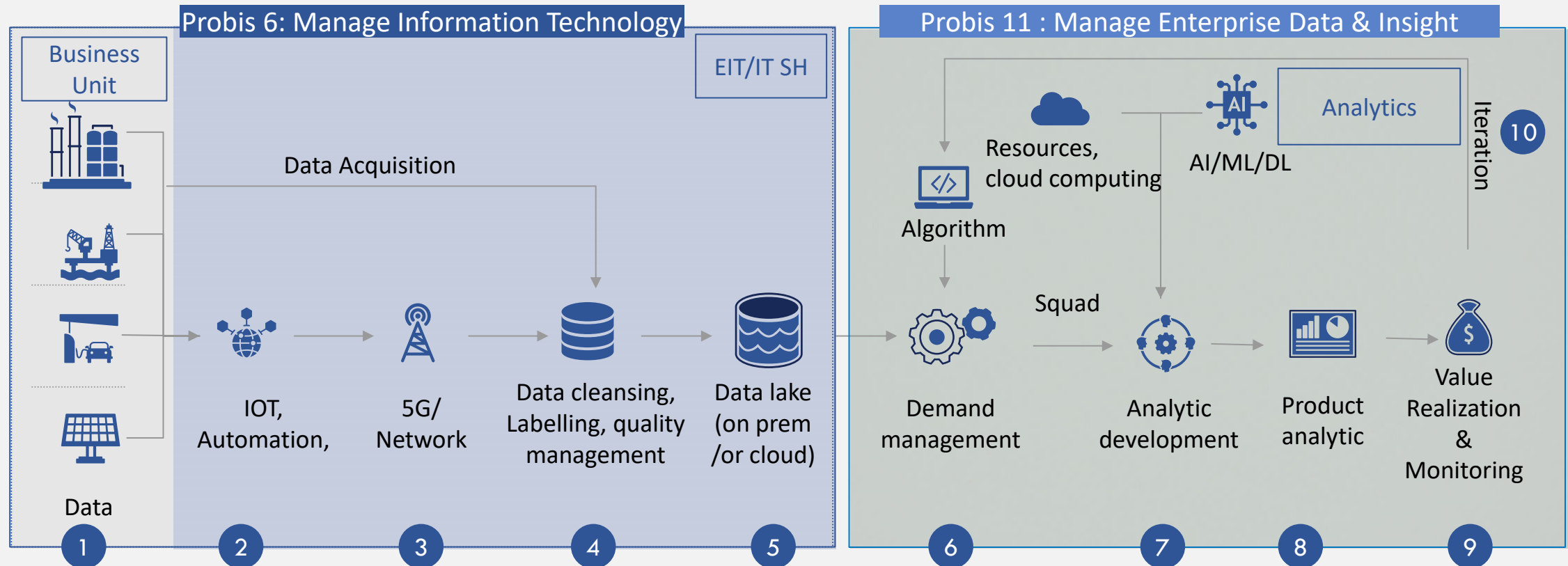
Foster the mindset, behavior and values needed by an organization to be able to integrate with new technology and ways of working

Digital Factory is a key part of the Pertamina Digital Hub for delivering and accelerating the Digital Transformation roadmap



Digital Factory Business Process

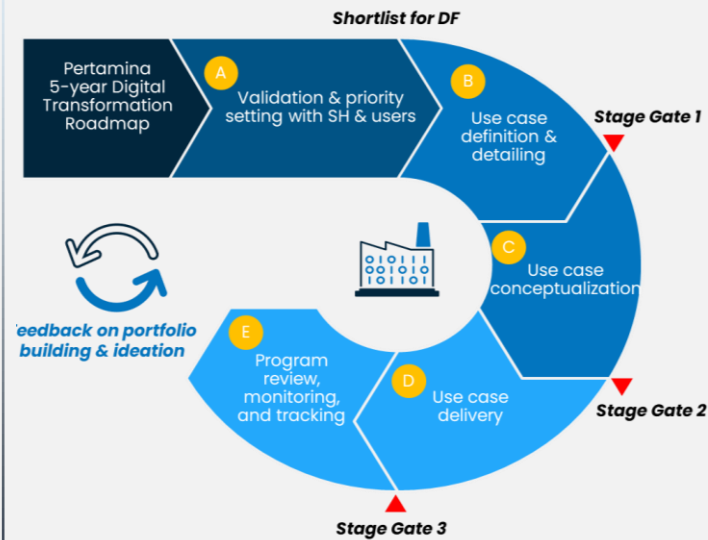
“digital factory workflow is simply like a restaurant”



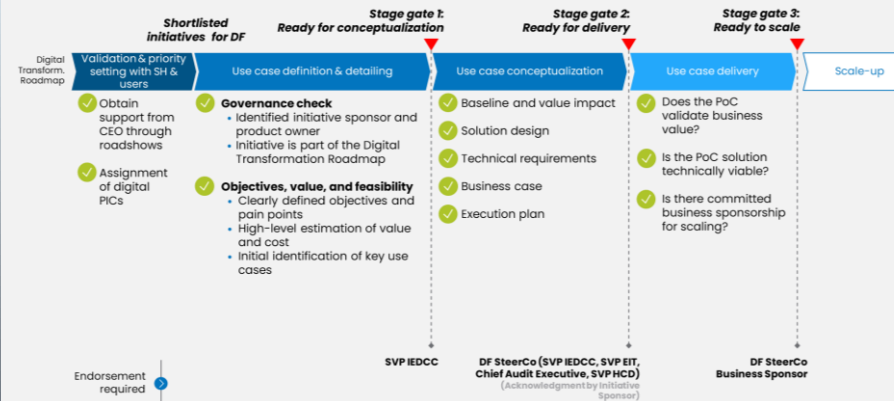
Note: IT infrastructure is managed by EIT, OT infrastructure is managed by Business Unit

DF Processes

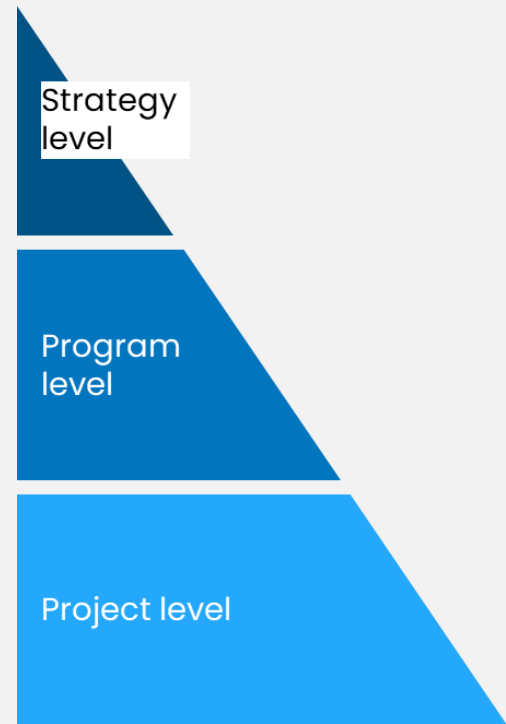
DF Flywheel



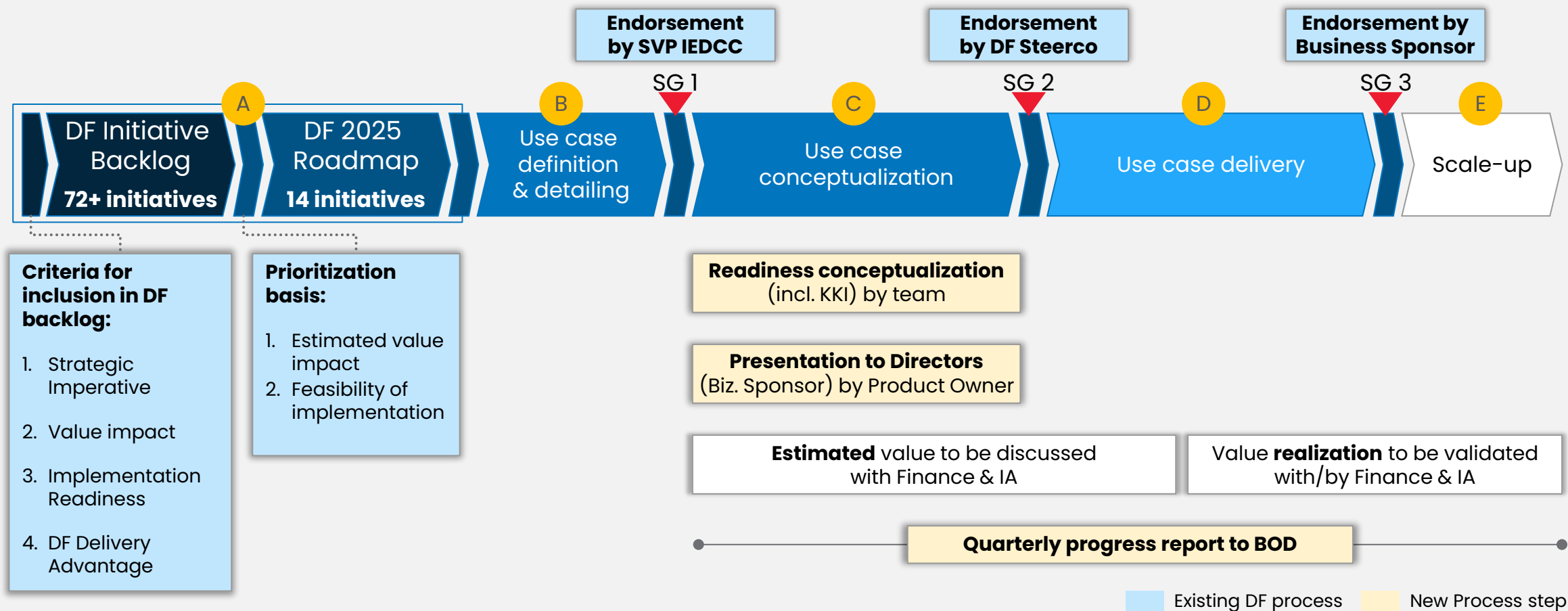
3 Stage Gates



DF Governance



Pertamina Digital Factory (DF) Process & Governance



DF embrace Agile squad concept for its PoC delivery

Illustrative team composition:

Project leadership

Business Sponsor & Initiative Sponsor

Delivery Lead

Project Advisor



Core delivery squad

Product Owner

Squad Lead

Data Scientist

Scrum Master

Data Engineer

Subject Expert

Data Visualization

+ other roles as needed

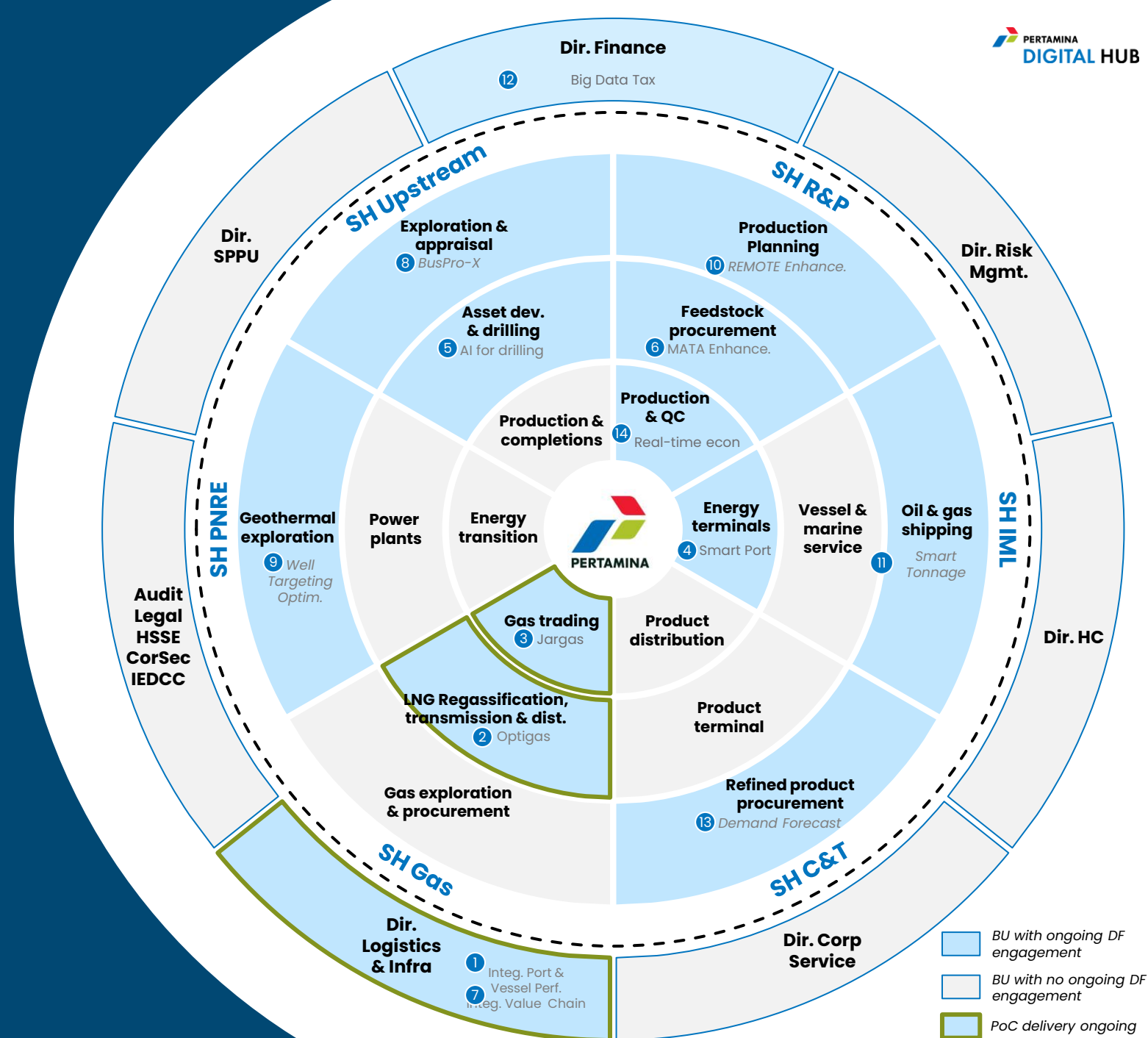
Delivery squads working with Agile principles & ceremonies



36 Pertamina employees (DF and SH) embedded across 4 squads & upskilled on Agile ways-of-working & multi-disciplinary teaming

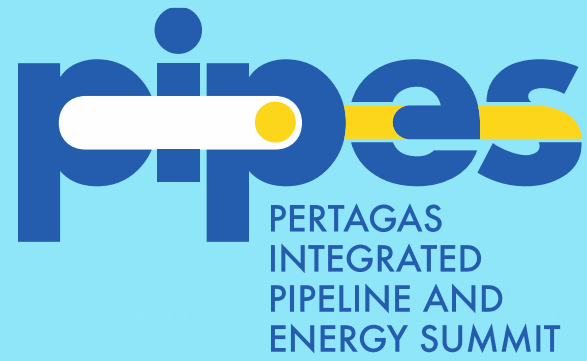
Digital Initiatives Portfolio Map

DF has strong engagement across Holding & Sub holdings from 14 current initiatives



Closing

- The Digital Factory is not a tech project—it's a **business transformation engine**.
- Through the Digital Factory, we are embedding innovation and data into the core of our operations to:
 - Develop **digital talent**
 - Deliver **business value** (revenue growth, cost saving, cost avoidance).



**TERIMA
KASIH**