PTTEP Decarbonization Pathway

11185-4014

สุศมา ปิตากุลดิลก

รักษาการ ผู้ช่วยกรรมการผู้จัดการใหญ่ สายงานความยั่งยืนและบริหารผู้มีส่วนได้ส่วนเสีย ปตท.สน.

22 ธันวาคม 2566

Introduction to PTTEP

THURSDAY MAD

PTTEP Sustainability



"Energy Partner of Choice"

through Competitive Performance and Innovation for Long-term Value Creation "WE" "WORLD"

To achieve our vision of becoming the "Energy Partner of Choice", PTTEP has developed the Sustainability Framework comprising:

- High Performance Organization (HPO)
- Governance, Risk Management and Compliance (GRC)
- Sustainable Value Creation (SVC)



2023 PTTEP Materiality



ESG





PTTEP Strategy Pillars



1 DRIVE VALUE

Strengthen E&P and ensure Thailand energy security

- Maximize production
- Expedite development
- Monetize discovery
- Enhance competitiveness of unit cost

Expand gas-weighted portfolio and LNG business





Manage E&P for lower carbon portfolio Execute GHG emission reduction plan Accelerate CCS projects

Maximize use of renewable and future energy in operation

Pursue emission offsetting and Ocean for life







Scale up AI and Robotics Ventures (ARV)

Develop Carbon Capture and Storage (CCS) as a Service

Explore hydrogen, and offshore renewables







Exploring for Lower Carbon E&P Portfolio

1 Lower Carbon E&P Portfolio Management



Production and Planet in Balance

Beyond Conventional Practice

- **1** Zero Routine Flare for New Assets
- 2 Carbon Capture Utilization and Storage (CCUS)
- 3 Maximization of Renewable Energy in Operations
- 4 Full Application of Circular Economy Concept
- 5 Methane Emission Reduction via Technology

Beyond Operation

- 1 Carbon Removal Project and Carbon Credit Acquisition
- 2 Advanced Carbon Removal Technology

PTTEP Collaboration

PTTEP Collaborations in Climate Management



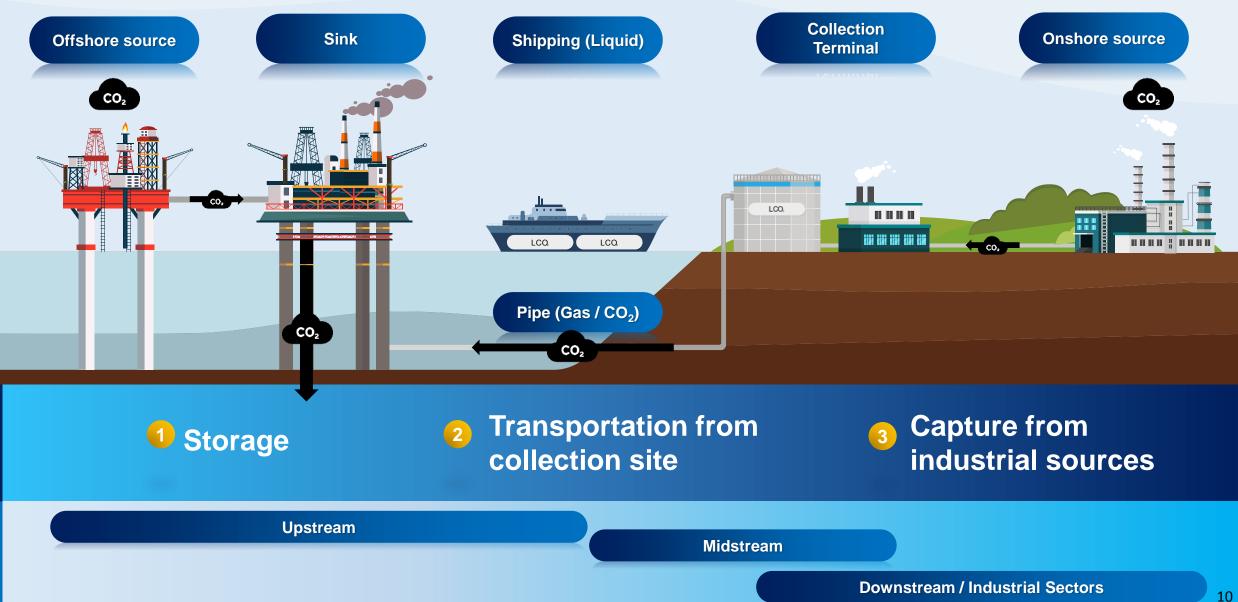


PTTEP Technology & Innovation

Eastern Thailand CCS Hub model

Function

Player



VARUNA NATURE-BASED SOLUTIONS

Seeding the sustainable future

Changes in Food

WE OFFER DECARBONIZATION THROUGH NATURE BASED SOLUTIONS WITH MEANINGFUL IMPACT





Demand



VARUNA Academy



GIS Satellite

Smart Forest

AiANG

Eagle

Service Matching

Smart Farm

Carbon Sequestration Projects

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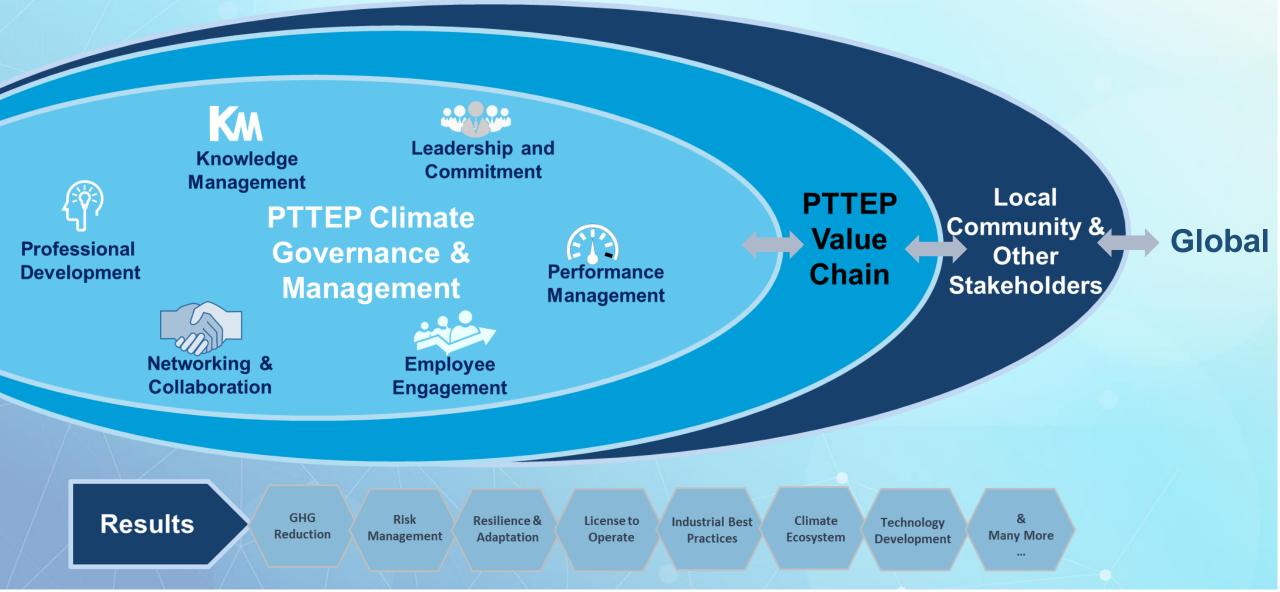
CO₂ Sequestration and Biodiversity Preservation



Competency Build Up

Climate Competency Build Up







Social Development





Achievement of CSR Projects

2030 Target







