

RISK
BEYOND
2025

ERMA
INTERNATIONAL
CONFERENCE
ON ERM

MEDCOENERGI 



Risk Odyssey:
Engineering Momentum,
Building a Resilient Risk DNA

CLIMATE EXTREMES AND ENERGY FUTURES: REBUILDING STRATEGY FOR RESILIENT GROWTH

PT Medco Energi Internasional Tbk | 4 December 2025



Risk Beyond Is Hosted by
ERMA - Enterprise Risk Management Academy
www.erm-academy.org

 riskbeyond.com





Risk Odyssey:

Engineering Momentum,
Building a Resilient Risk DNA



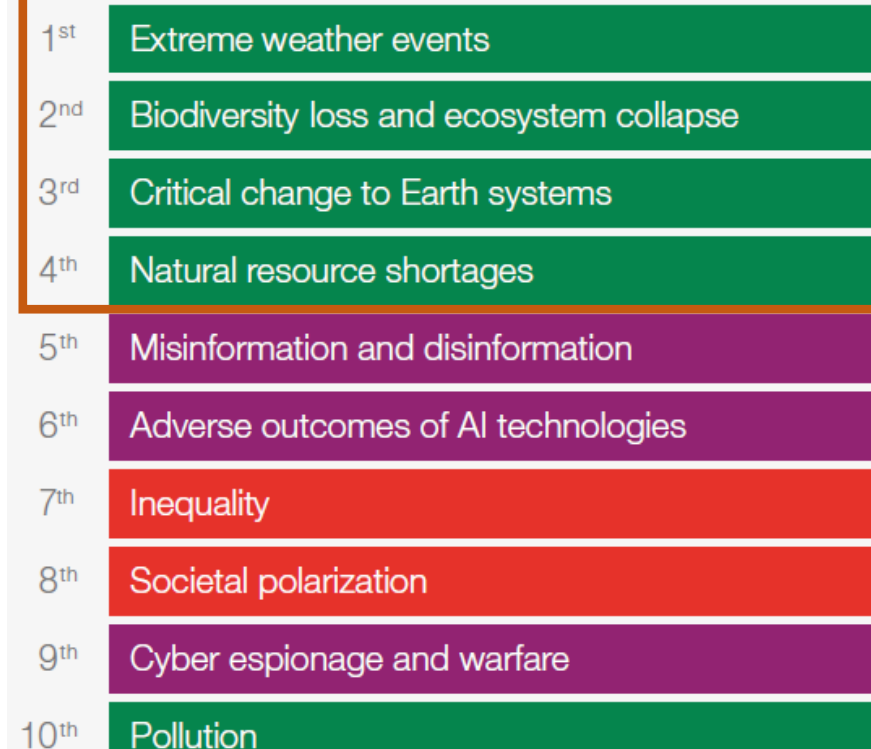
NATURE IS PUSHING BACK!

World Economic Forum: Top 10 Global Risk landscape trend*

2 years



10 years



Risk categories

- Economic
- Environmental
- Geopolitical
- Societal
- Technological

*Source:
[WEF Global Risks Report 2025.pdf](#)



ERMA

Risk Beyond Is Hosted by
Enterprise Risk Management Academy
www.erm-academy.org

MEDCOENERGI



ERMA
INTERNATIONAL
CONFERENCE
ON ERM



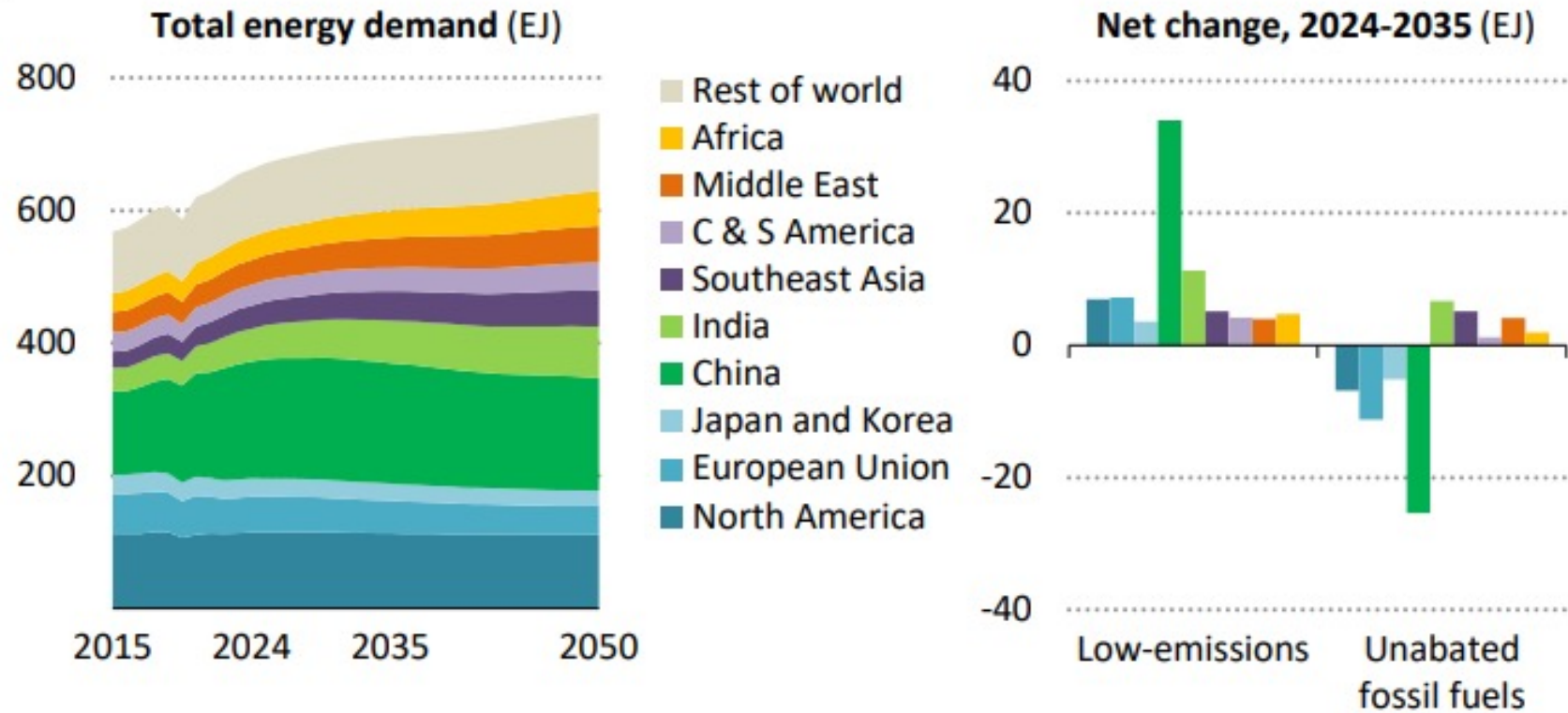
Risk Odyssey:

Engineering Momentum,
Building a Resilient Risk DNA



SURGE IN GLOBAL ENERGY DEMAND

Total energy demand by region, 2015-2050 and change by type and region in the STEPS, 2024-2035*



Emerging market and developing economies drive growth in total energy demand; advanced economies and China see stronger shifts towards low-emissions sources

Note:

EJ = exajoule; C & S = Central and South America.

STEPS: Stated Policies Scenario

*Source:

[IEA World Energy Outlook 2025](#)

IEA. CC BY 4.0.



ERMA

Risk Beyond Is Hosted by
Enterprise Risk Management Academy
www.erm-academy.org

MEDCOENERGI



RISK
BEYOND
2025

ERMA
INTERNATIONAL
CONFERENCE
ON ERM

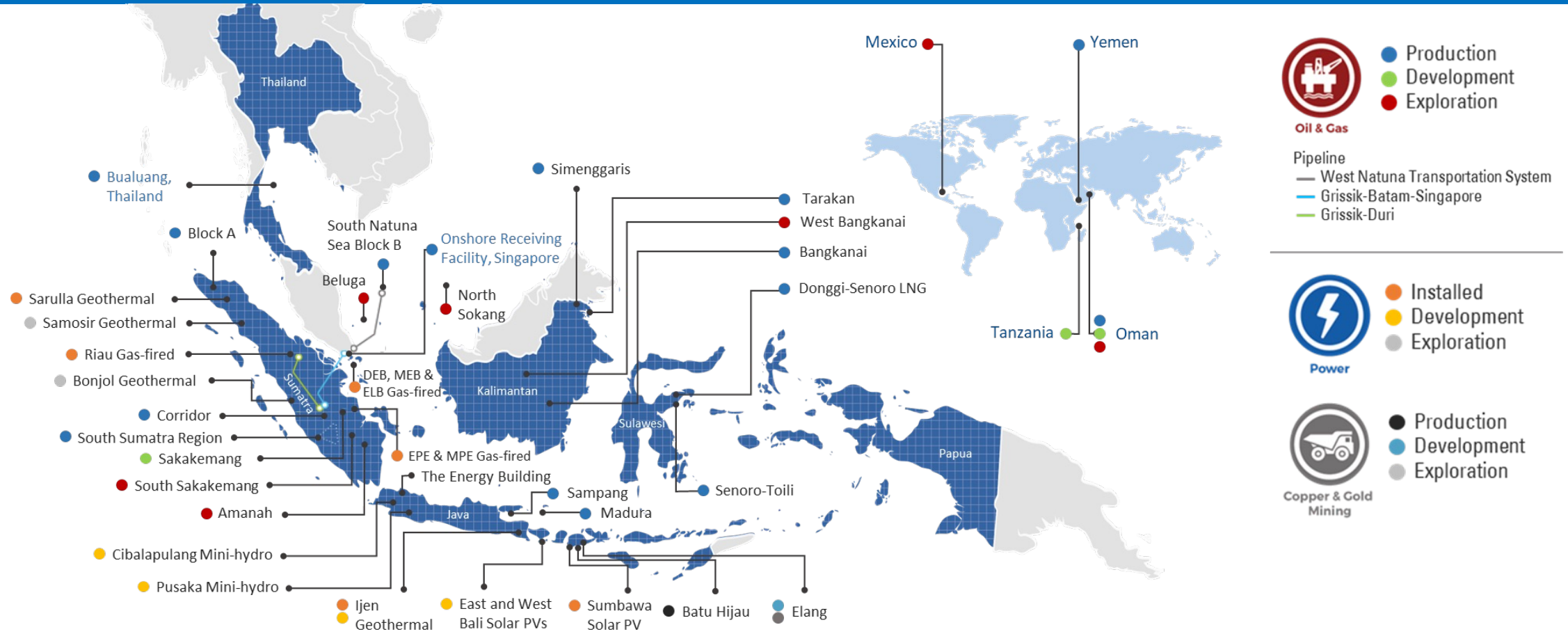


Risk Odyssey:
Engineering Momentum,
Building a Resilient Risk DNA



ANCHORED IN INDONESIA, OPERATE IN SOUTHEAST ASIA AND MIDDLE EAST

Diverse energy mix of Oil & Gas, Clean Power, and Copper & Gold Mining

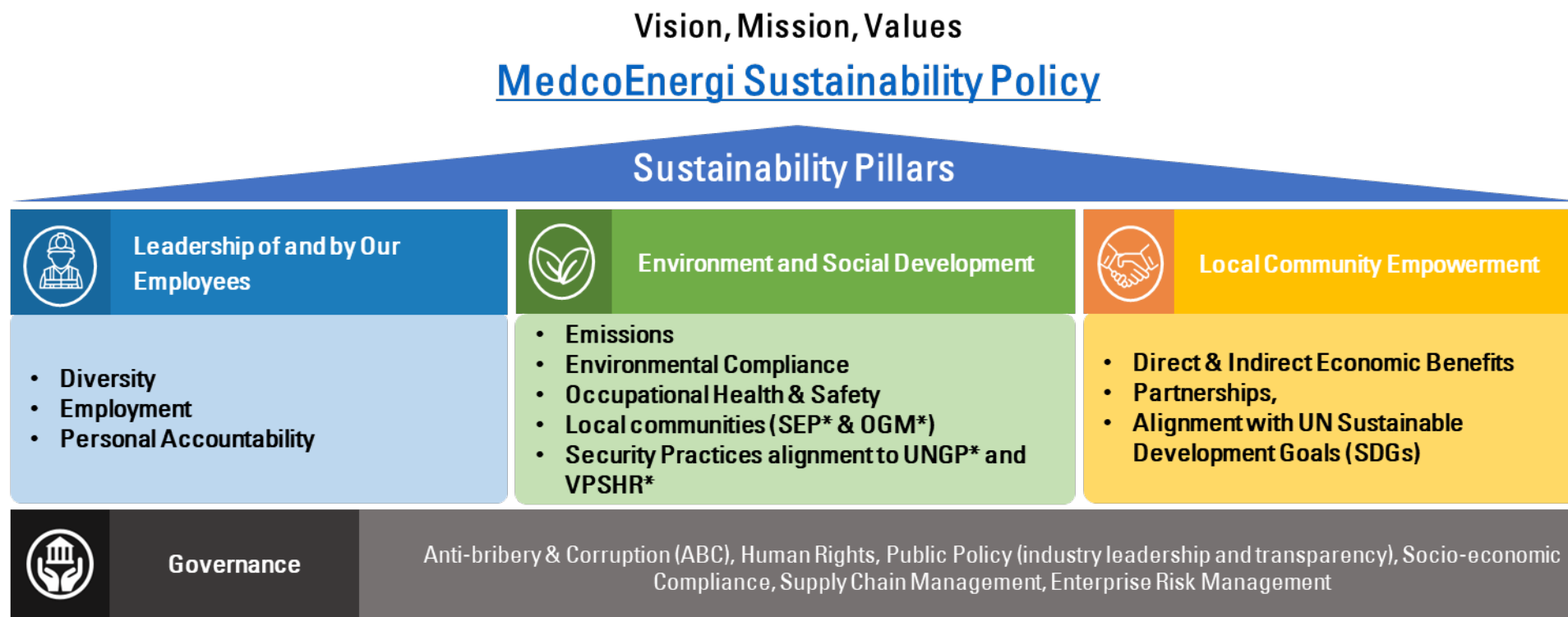


Risk Beyond Is Hosted by
Enterprise Risk Management Academy
www.erm-academy.org



ERMA
INTERNATIONAL
CONFERENCE
ON ERM

MATERIALITY ASSESSMENT AND SUSTAINABILITY FRAMEWORK



* Notes: SEP = Stakeholder Engagement Plan, OGM = Operational Grievance Mechanism, UNGP = United Nations Guiding Principles for Business and Human Rights, VPSHR = the Voluntary Principles on Security and Human Rights, KPI = Key Performance Indicator

Risk Management Vision

Proactively identify and manage all risks and opportunities to **create, optimize and protect** enterprise and stakeholder value by integrating risk management into our company's DNA.

Risk Management Framework



31000:2018 Risk Management

Proactive risk management through a robust Enterprise Risk Management Framework in alignment with the international standard **ISO 31000:2018**.

ENTERPRISE RISK MANAGEMENT

MedcoEnergi's Risk Universe

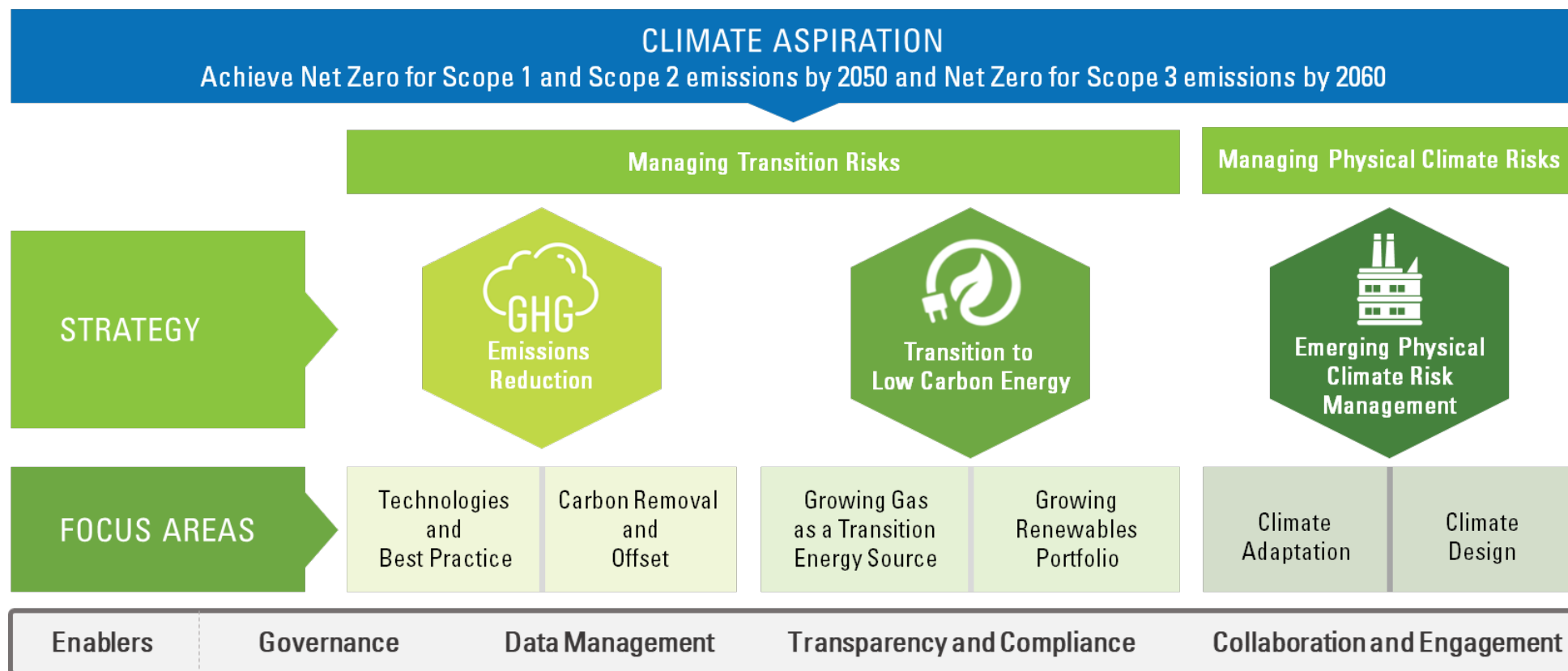


Climate Related Risks (*)

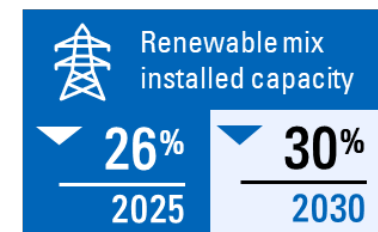
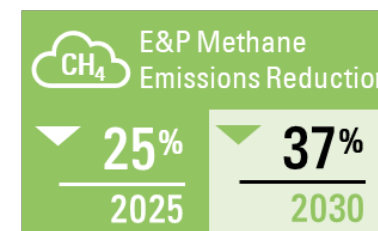
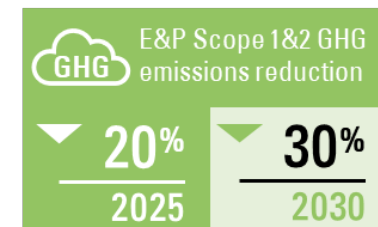


(*) We initiated our climate risk identification and assessment in 2021, covering both physical and transition risks relevant to our business and operational assets.

COMMITTED TO DECARBONIZATION AND MAINTAINING ESG LEADERSHIP



Interim Targets





Risk Odyssey:

Engineering Momentum,
Building a Resilient Risk DNA



CLIMATE PHYSICAL RISK ASSESSMENT

Managing Physical Climate Risks

Climate Change Risk Assessment (CCRA) identifies and assess the potential impacts and control measures of climate physical risks using selected Intergovernmental Panel on Climate Change (IPCC) scenarios.

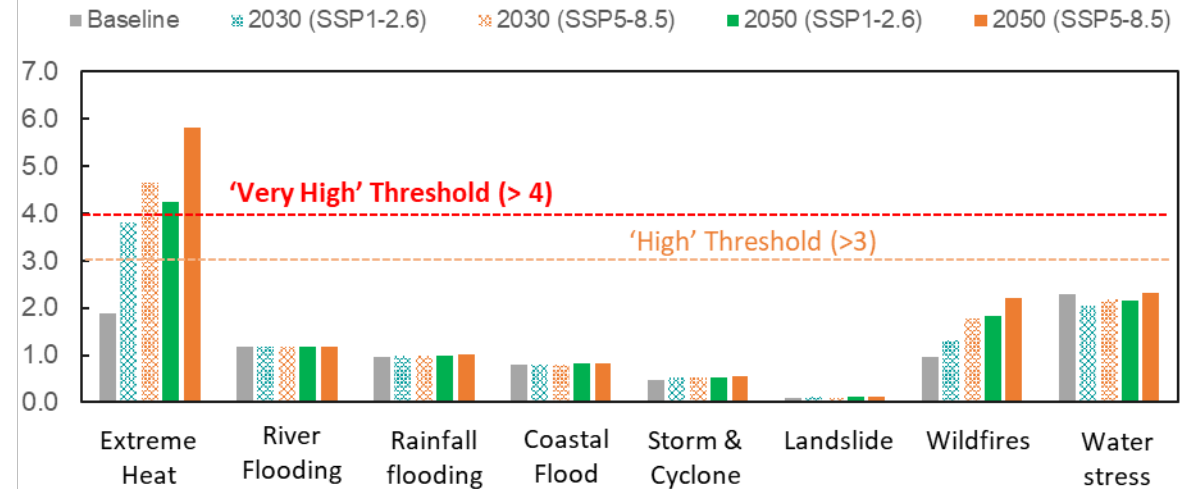
8 Climate Hazards

Extreme Heat, Coastal Floods, Extreme Rainfall, River Flooding, Extreme Wind, Water Scarcity, Rainfall-induced Landslide, and Wildfires.

2 Timeframes & Scenarios

- Mid-term (2030)
 - Long-term (2050)
 - SSP1-2.6 Low Emission (1.7°C)
 - SSP5-8.5 High Emission (2.4°C)
- SSP = Shared Socioeconomic Pathways

Average Climate Physical Risks Score



80
Assets

Qualitative Assessment:
Oil & Gas, Power and Office

6
Assets

Quantitative Assessment
Oil & Gas
Power

Adaptation & Mitigation

- Strengthen weather monitoring and emergency response
- Enhance working procedures for extreme weather
- Improve and adapt facility layout
- Integrate climate risks into engineering design
- Reduce flaring, venting, and fugitive emissions
- Reduce energy use and intensity; adopt renewable energy sources
- Apply nature-based carbon sequestration
- Explore CCUS/CCS opportunities



ERMA

Risk Beyond Is Hosted by
Enterprise Risk Management Academy
www.erm-academy.org

MEDCOENERGI



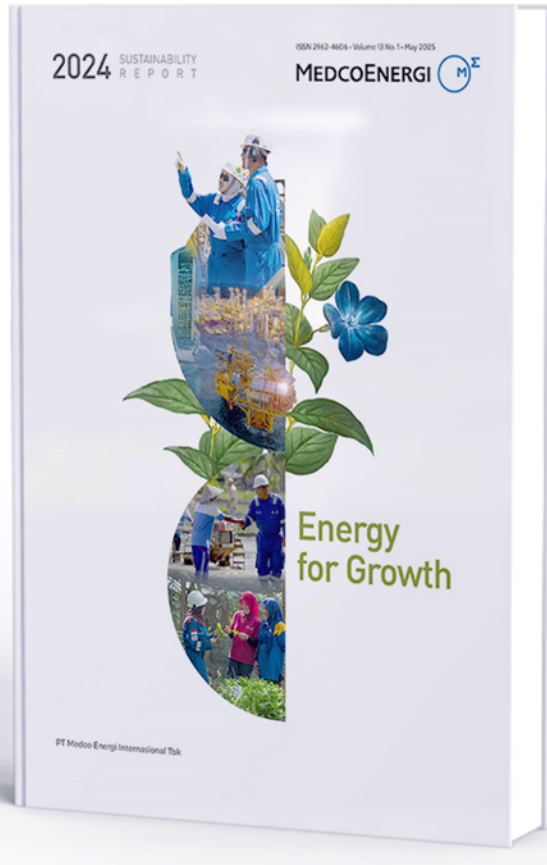
RISK
BEYOND
2025

ERMA
INTERNATIONAL
CONFERENCE
ON ERM



DISCLOSING PERFORMANCE THROUGH SUSTAINABILITY REPORTING

Reports in accordance with the 2016 GRI Standards and its subsequent updates



As of 2024, PT Medco Energi Internasional, Tbk. received an MSCI ESG Rating of AA.

DISCLAIMER STATEMENT
THE USE BY PT MEDCO ENERGI INTERNASIONAL TBK OF ANY MSCI ESG RESEARCH LLC OR ITS AFFILIATES ("MSCI") DATA, AND THE USE OF MSCI LOGOS, TRADEMARKS, SERVICE MARKS OR INDEX NAMES HEREIN, DO NOT CONSTITUTE A SPONSORSHIP, ENDORSEMENT, RECOMMENDATION, OR PROMOTION OF PT MEDCO ENERGI INTERNASIONAL TBK BY MSCI. MSCI SERVICES AND DATA ARE THE PROPERTY OF MSCI OR ITS INFORMATION PROVIDERS, AND ARE PROVIDED "AS-IS" AND WITHOUT WARRANTY. MSCI NAMES AND LOGOS ARE TRADEMARKS OR SERVICE MARKS OF MSCI.

Improved quality of reporting by increasing the number of GRI performance indicators disclosed and assured by Ernst & Young year-on-year



Alignment of Sustainability Initiatives with the UN SDGs



Sustainability Report:

<http://www.medcoenergi.com/en/subpagelist/view/36>

TCFD Report

<https://www.medcoenergi.com/en/page/view/3531>



ERMA

Risk Beyond Is Hosted by
Enterprise Risk Management Academy
www.erm-academy.org

MEDCOENERGI MΣ



ERMA
INTERNATIONAL
CONFERENCE
ON ERM

MedcoEnergi
Sustainability Policy



MedcoEnergi
Sustainability Report



MedcoEnergi
Climate Change Strategy



PT Medco Energi Internasional Tbk

The Energy Building 53rd Floor

SCBD Lot 11A

Jl. Jend. Sudirman, Jakarta 12190

Indonesia

P. +62-21 2995 3000

F. +62-21 2995 3001

E. investor.relations@medcoenergi.com

Website : www.medcoenergi.com



We support the Sustainable Development Goals



MedcoEnergi is a co-founder of the Indonesia Business Council for Sustainable Development, the Indonesian chapter of the World Business Council for Sustainability Development (WBCSD)



MSCI
ESG RATINGS



CCC	B	BB	BBB	A	AA	AAA
-----	---	----	-----	---	----	-----

As of 2024, PT Medco Energi Internasional, Tbk. received an MSCI ESG Rating of AA.

DISCLAIMER STATEMENT
THE USE BY PT MEDCO ENERGI INTERNASIONAL TBK OF ANY MSCI ESG RESEARCH LLC OR ITS AFFILIATES ("MSCI") DATA, AND THE USE OF MSCI LOGOS, TRADEMARKS, SERVICE MARKS OR INDEX NAMES HEREIN, DO NOT CONSTITUTE A SPONSORSHIP, ENDORSEMENT, RECOMMENDATION, OR PROMOTION OF PT MEDCO ENERGI INTERNASIONAL TBK BY MSCI. MSCI SERVICES AND DATA ARE THE PROPERTY OF MSCI OR ITS INFORMATION PROVIDERS, AND ARE PROVIDED 'AS-IS' AND WITHOUT WARRANTY. MSCI NAMES AND LOGOS ARE TRADEMARKS OR SERVICE MARKS OF MSCI.

RISK
BEYOND
2025

ERMA
INTERNATIONAL
CONFERENCE
ON ERM



Risk Odyssey: Engineering Momentum, Building a Resilient Risk DNA

Thank You



Risk Beyond Is Hosted by
ERMA - Enterprise Risk Management Academy
www.erm-academy.org

 riskbeyond.com