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Oil and Gas Industry as the Catalyst for Energy Just Transition in Indonesia

Reduction of Greenhouse Gas Emissions Related to CCS/CCUS Roadmap Implementation

How IATMI Drives Collaboration to Unleash the Potential of Indonesia's Oil and Gas Industry
for Sustainable Energy Transition in Just Energy Transition

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Indonesian Petroleum Association

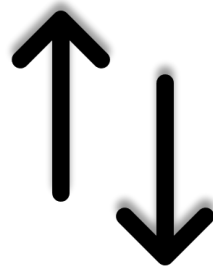
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Indonesia's decisions matter

As the fourth-most populous country and future fourth-largest economy, it holds sway over energy markets and climate goals worldwide



Oil and gas contribution to GDP drastically decreased despite economic growth



Net zero transition requires 'just transition' policies for a smooth economic shift



Challenges in managing economic and workforce transitions during development



Leveraging technological advancements like carbon capture, utilization, and storage (CCUS), and fostering collaboration and partnerships, the industry can contribute to a more sustainable and equitable energy system.



Reaching net zero emissions by 2060 or sooner

Where we aspire to be

Energy Transition Goals and Just Transition Principles

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The Two Starting Point



Alignment with Just Transition Principles

Indonesia's energy transition goals align with the principles of a just transition, ensuring that the shift to a low-carbon economy is fair and inclusive, and addresses social and economic considerations.

Role of CCUS/CCS Technology

CCUS/CCS technologies offer significant potential in reducing greenhouse gas emissions from the oil and gas industry and other sectors in Indonesia. By capturing and storing carbon dioxide underground, these technologies contribute to environmental sustainability and help achieve emission reduction targets.

The Three Drivers



Technology

Drives innovation in energy transition

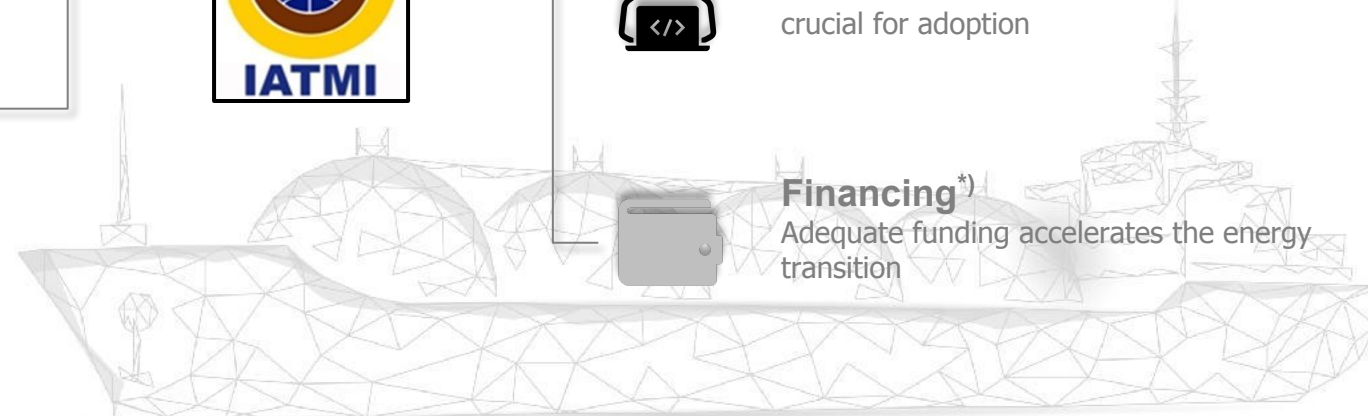


People

Skilled workforce and collaboration are crucial for adoption

Financing^{*)}

Adequate funding accelerates the energy transition



What IATMI have been doing

IATMI has actively facilitated discussions and collaborative research programs with reputable universities, raising awareness of energy transition

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Public & Professional Engagement

Involving the public and professionals fosters awareness and support for technology advancements. It encourages collaboration between stakeholders and ensures that the solutions developed align with societal needs and values.



- IATMI International Virtual Conference (2021)
- Natuna East Development FGD (2021)
- IATMI TALK on Energy Transition (2021)
- IATMI TALK on CCUS in Indonesia (2022)
- IATMI Lunch and Talk on CCUS (2023)
- Regular technical knowledge sharing by IATMI Komisarariat LN & DN.

IATMI Diaspora Synergy

Leveraging the expertise and networks of the Indonesian diaspora professionals can bring valuable knowledge transfer, investments, and global collaboration opportunities, accelerating technological progress and innovation.



- Professional & student joint research.
- 15 Komisarariat Dalam Negeri
- 8 Komisarariat Luar Negeri
- 14.000 Professional members
- +35 Professional volunteer for university engagement.

University Engagement

Partnering with universities enables research and development, cultivates a skilled workforce and supports knowledge dissemination. Universities play a vital role in producing tech-savvy graduates who can drive Indonesia's energy transition.



- 67 alumni for professional-based internship since 2021.
- MoU with 6 reputable universities/ faculties.
- +35 Professional volunteers worldwide.



IATMI Call to Action

Successful implementation of an energy just transition relies on the collaboration of various stakeholders.

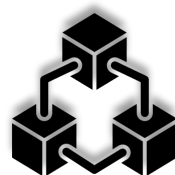
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Technology

Drives innovation in energy transition



People

Skilled workforce and collaboration are crucial for adoption



It is essential for the **government, academia, industry, and professional associations** to join forces, driving collaboration to unleash the potential of Indonesia's Oil and Gas Industry for sustainable energy transition in Just Energy Transition.



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