



COORDINATING MINISTRY FOR ECONOMIC AFFAIRS
THE REPUBLIC OF INDONESIA



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INTERNATIONAL CONFERENCE

INCLUSIVE ENERGY TRANSITIONS

IN SOUTHEAST ASIA AND BEYOND

Cross-Regional Learning from South Asia

10–12 February 2026 • Jakarta, Indonesia

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- 1. Company Overview and Technology**
- 2. Management Systems and Community Engagement**
- 3. Sustainability and Key Takeaways**

1. Company Overview and Technology

Introduction to Geo Dipa Energi Indonesia's Geothermal Energy Leader PT Geo Dipa Energi (GDE) manages geothermal resources nationwide.

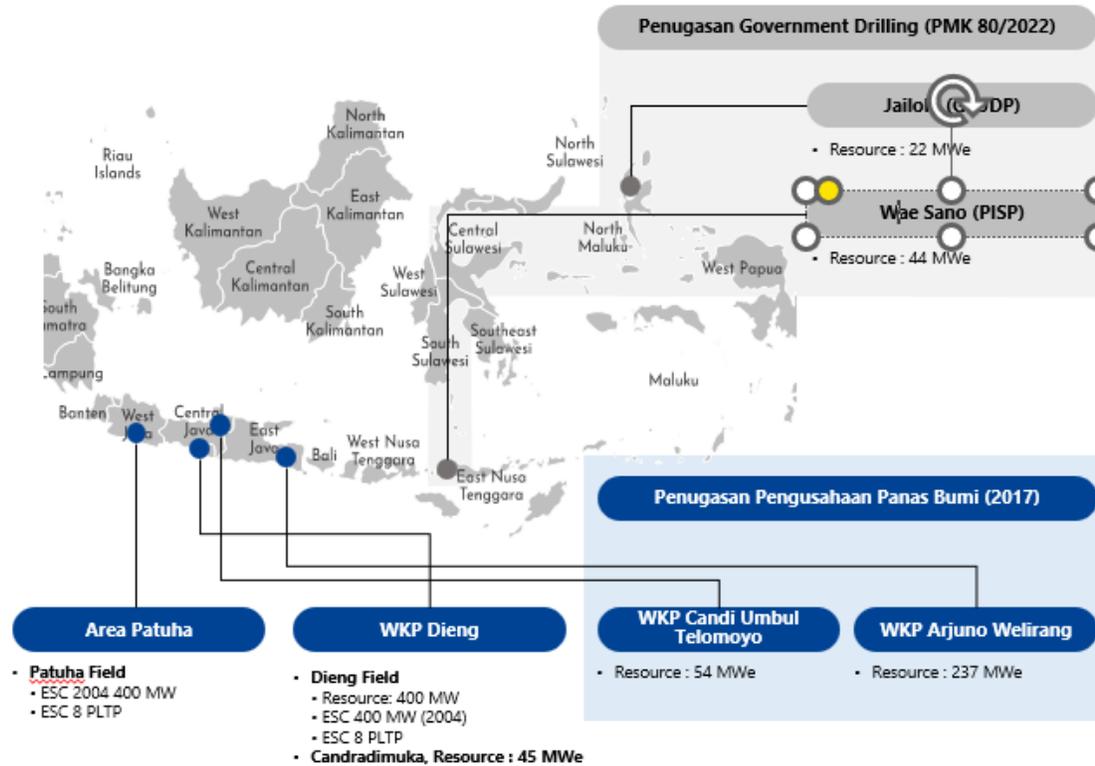
Special Mission Vehicle (SMV) Role Operates under the Ministry of Finance for strategic energy projects.

Driving Sustainable & Inclusive Transition Focuses on access, affordability, and just energy transition.

Development Portfolio



GDE Geothermal working area, location and resources



Status Proyek Pengembangan GDE

Total Pipeline : 1,085 MW¹⁾

1) di luar Government Drilling

Operation Phase

120 MW

- Dieng-1 (2002)** 55 MW
- Patuha-1 (2014)** 55 MW
- Dieng Small Scale (2021)** 10 MW, complimentary Dieng-1 55 MW

Development Phase

110 MW

- Dieng-2 - 55 MW (Sileri)** COD 2028
- Patuha-2 - 55 MW** COD 2027

FS / Financing Phase

245 MW & 5,000 tpa critical minerals

- Dieng-3,4 - 2 x 55 MW (Sileri)** COD 2031
- Dieng-6,7 - 90 MW (Sikidang)²⁾** COD 2033
- Dieng-8 - 35 MW (Brine Sileri)** COD 2030
- Production of Li₂CO₃/LiOH** COD 2028
- Production of Colloidal Silica** COD 2028

Exploration Phase

610 MW

200 MW of 555 MW in next ~15 years will achieve COD

- Dieng-5 - 55 MW (Sileri)**
- Candradimuka - 40 MW** COD 2032
- Patuha-3 (Patuha Utara) - 55 MW** COD 2032
- Candi Umbul Telomoyo - 45 MW** COD 2033
- Arjuno Welirang -1 - 60 MW** COD 2033
- Arjuno Welirang-2,&3 - 2x 60 MW**
- Patuha (Patuha-4,5,6,7,8) - 3x55 MW, 2x35 MW**

Innovative Geothermal Technologies

1. Adoption of GIMS ensures robust project management
2. Integration of ADB SPS 2009 for global best practices

Enhancing Access and Affordability

1. Community engagement ensures fair, transparent information
2. Programs like ROJIMUR involve locals in safety and monitoring

Driving Inclusive Green Growth

1. Focus on environmental, social, and governance standards
2. Support for just transition through local participation

ESG PERFORMANCE AND RATINGS



**2025 S&P Global ESG Score:
63/100**

- Indicates medium data availability and robust ESG practices.



**Category Breakdown:
Environmental, Social,
Governance**

- Environmental: 68 (Industry Avg: 46)
- Social: 67 (Industry Avg: 41)
- Governance & Economic: 47 (Industry Avg: 43)



Performance vs. Industry

- Scores exceed industry averages in all ESG categories.

2. Management Systems and Community Engagement



GIMS: INTEGRATED MANAGEMENT APPROACH

Level	Key Focus
Corporate	General Policy, Project Monitoring, Lender Compliance
ESS	Environmental & Social Risk Assessment, Labor, Community, Biodiversity, Stakeholder Engagement
Project	Site-Specific Policies, Reporting, Monitoring
Alignment	ADB SPS 2009: Environmental, Resettlement, Indigenous Safeguards

COMMUNITY ENGAGEMENT STRATEGIES



Continuous Community Engagement

Active involvement since 2019 in project planning and execution.



Transparent Information Sharing

Open communication channels for updates and feedback.



Education and Capacity Building

Learning initiatives empower local residents to participate.

ROJIMUR: HOW IT WORKS

Centralized Communication Hub

Community-run center for real-time reporting and updates.

Resident-Led Patrol Schedules

Local teams operate 24/7 in rotating 8-hour shifts.

Hazard Monitoring & Training

Residents trained to identify and respond to potential risks.

Community Outreach & Education

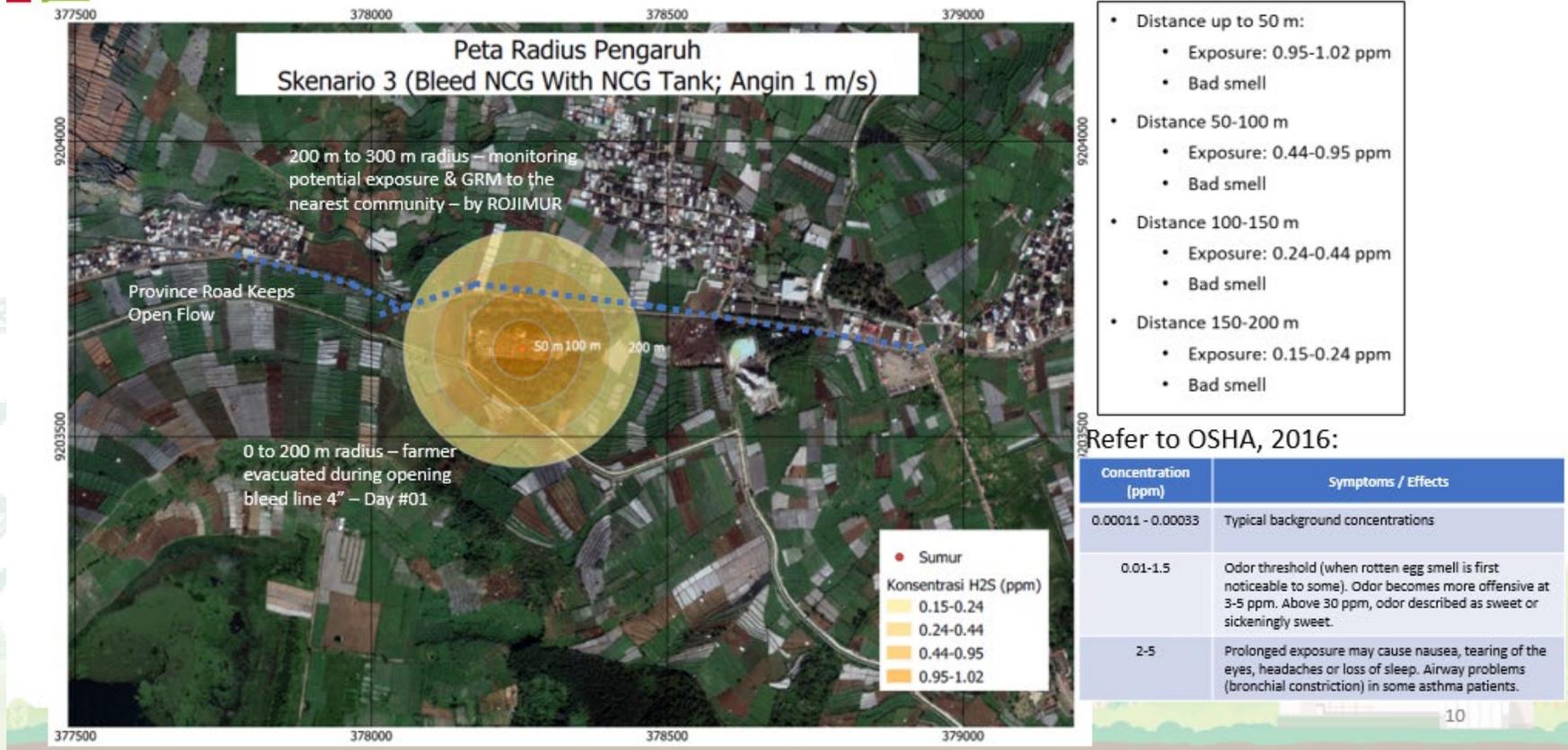
Patrols also inform and reassure local residents.





Safeguard - Environmental

Condition Planned by Subsurface Day #1 (Normal Condition)



- Distance up to 50 m:
 - Exposure: 0.95-1.02 ppm
 - Bad smell
- Distance 50-100 m
 - Exposure: 0.44-0.95 ppm
 - Bad smell
- Distance 100-150 m
 - Exposure: 0.24-0.44 ppm
 - Bad smell
- Distance 150-200 m
 - Exposure: 0.15-0.24 ppm
 - Bad smell

Refer to OSHA, 2016:

Concentration (ppm)	Symptoms / Effects
0.00011 - 0.00033	Typical background concentrations
0.01-1.5	Odor threshold (when rotten egg smell is first noticeable to some). Odor becomes more offensive at 3-5 ppm. Above 30 ppm, odor described as sweet or sickeningly sweet.
2-5	Prolonged exposure may cause nausea, tearing of the eyes, headaches or loss of sleep. Airway problems (bronchial constriction) in some asthma patients.

ROJIMUR WELL TEST PATROLS

Community-Driven Safety Patrols

Local residents lead 24/7 well test monitoring.

Transparent Hazard Communication

Open discussions on H₂S, noise, and vibration risks.

Formation of Rojimur Organization

Patrol teams organized in shifts for continuous coverage.

Empowering Through Training

Residents trained in hazard monitoring and response.



COMMUNITY HEALTH & SAFETY PROGRAM

Active in Patuha 2 and Dieng 2 Sites

Community Health & Safety program tailored for local needs.

Minimizing Disruption to Daily Life

Careful planning of equipment mobilization through village roads.

Escort and Monitoring Initiatives

Night escorts for heavy equipment and daytime vehicle monitoring.

Transparent Communication with Residents

Regular updates on project activities and safety measures.



3. Sustainability and Key Takeaways



INCLUSIVE AND JUST TRANSITION

2019: Early Community Involvement

HSSE Safeguard Unit initiates learning and engagement.

Adoption of ADB SPS 2009

GIMS approach aligns with lender and community needs.

Formation of ROJIMUR Patrols

Local residents monitor well tests and ensure transparency.

Community Health & Safety Programs

EPC contractors coordinate safe mobilization in villages.

Continuous Policy Adaptation

GDE updates programs to support inclusivity and green growth.

KEY TAKEAWAYS



Building Community Trust

Transparent communication and early involvement empower local residents.



Integrated Management Approach

GIMS ensures alignment with international safeguards and company policies.



Inclusive and Sustainable Growth

Programs prioritize access, affordability, and just transition for all.



THANK YOU!



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Backup Slides



ESG RATING 2025

Overview ESG Rating 2025

S&P Global ESG Score

63/100

Data Availability: ■ Medium

Last updated: November 20, 2025

Updated annually or in response to major developments

Score breakdown

■ ESG Score ■ Industry ESG Score Average

Environmental



Social



Governance & Economic



Performance Radar Chart Based on Top Issue





INTEGRATING GIMS-ESS



Kebijakan GIMS

No. 036.SK/PST.000-GDE/XI/2024



Pedoman Sustainability

No. GDE-060000-001



Prosedur Environmental & Social Safeguards (ESS)

No. GDE-060100-002

Corporate Level

- General Policy, fit to any project;
- Dokumen Acuan Kerja (DAK: Pedoman, Prosedur, IK) Umum
- Project Monitoring

ESS

- ESS 1 - Assessment and Management of Environmental and Social Risks and Impacts
- ESS 2 - Labor Working Condition
- ESS 3 - Pollution Prevention and Abatement
- ESS 4 - Community Health, Safety, and Security
- ESS 5 - Land Acquisition and Involuntary Resettlement
- ESS 6 - Biodiversity Conservation and Natural Resources Management
- ESS 7 - Indigenous People
- ESS 8 - Cultural Heritage
- ESS 9 - Energy Conservation, Environmentally-Friendly Energy, and Climate Change
- ESS 10 - Stakeholder Engagement

Project Level

- Site/Project specific Policy;
- Prosedur & IK spesifik proyek, Reporting & Control of Records
- Daily Monitoring



Legal References

Government Regulation

- Presidential Regulation No. 62/2018
- UU Agraria dan Tata Ruang/ Badan Pertanahan Nasional; ATR/ BPN) No. 6/2020 dated April 22nd, 2020
- Indonesia Valuation Standards (Standar Penilaian Indonesia/ SPI)

GIMS – Geo Dipa Integrated Management System

- ESS – Environment And Social Standard
- Prosedur Pengelolaan Tanah - GDE- 140200-001
- Prosedur Penanganan Klaim Masyarakat – PST.011-SOP-001

ADB SPS 2009

- (i) environmental safeguards,
- (ii) involuntary resettlement safeguards, and
- (iii) Indigenous Peoples safeguards.



GDE have ESS meet to any lender requirements



GIMS – Geo Dipa Integrated Management System

ESG Plan

ESS – Environment And Social Standard

Assessment & Management of Environmental
Social Risks and Impacts

Labor and Working Conditions

Resource Efficiency and Pollutions Prevention

Community, Health, Safety and Security

Land Acquisition and Involuntary

Resettlement

Biodiversity Conservation and Sustainable

Management of Living Natural Resources

Indigenous Peoples

Cultural Heritage

Energy Conservation and Climate Change

Stakeholder Engagement and Information

Disclosure

ADB SPS 2009

- (i) environmental safeguards,
- (ii) involuntary resettlement safeguards, and
- (iii) Indigenous Peoples safeguards.





Geodipa D2P2 Social Media



https://docs.google.com/presentation/d/1mJe_ZLYM1LiKKrRT0BiYe6eq82PsuAvU/edit?usp=sharing&ouid=114910224627670160361&rtpof=true&sd=true

ROJIMUR IN IIGCE 2024

<https://www.instagram.com/reel/CmnljkujYE/?igsh=MTdic2IINWxwM2wzaA>

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ROJIMUR

<https://www.instagram.com/reel/DQGRo76E-E3/?igsh=MTA5c3R3cHFtbDJlbA==>

COMMUNITY HEALTH AND SAFETY - CHS