Gundih CCUS Project
- International Collaboration between Indonesia and Japan -

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Overview of Gundih CCUS Project

- CO₂ emission (300,000 ton per annum)
- Underground CO₂ injection planned
- Significantly low cost
- EGR (Enhanced Gas Recovery)

**Location**

Central Java, Indonesia

**CO₂ Source**

Gas processing plant

**CO₂ Transport (4km Pipeline)**

**CO₂ Pipeline Route**

**Injection Well**

300,000 tons/yr of CO₂ to be captured from gas processing plant

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Organizations of Gundih CCUS Project

**INDONESIA**
Ministry of Energy and Mineral Resources (MEMR)

Pertamina’s Gas Field Development with CCUS/EGR

- **JAPAN**
Ministry of Economy, Trade and Industry (METI)

- Secured CO₂ underground storage
  - with Japanese Technologies
  - with JCM application (CO₂ Credit)

**Cooperation**

JGC Group
Global Engineering enterprise

Electric Power Development Co., Ltd.
Major power enterprise in Japan
### Plan toward Gundih CCUS Implementation

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Gundih CCUS Project

**Unique feature**

- Japan – Indonesia Partnership

- The large scale CCUS/EGR project in ASEAN/East Asia
  Target: 3 million tons - CO₂ injection per 10 years

- The first CO₂ credits from CCUS through JCM*
  *The bilateral crediting scheme for CO₂ emission reduction

**Paving the future way to**

1. Low carbon gas production with CCUS/EGR, certified by JCM credits

2. Expansion to other fields in Indonesia and to ASEAN/East Asian countries

3. CCUS applications in other industries (ammonia, hydrogen, electricity, etc.)