



**PT SARANA MULTI INFRASTRUKTUR
(PERSERO) – PT SMI**

Potential Geothermal Upstream Risk Sharing Initiatives in Indonesia

**ADYAKSA PARIPURNA –
GEOTHERMAL PROJECT MANAGER**

FOR 6th GEOLAC 17-18 July 2019, Santiago, Chile

July 17TH 2019

PT SMI as a Catalyst in Accelerating Infrastructure Development

Status

PT Sarana Multi Infrastruktur (Persero) (“PT SMI”) was established in 2009 as a **State-Owned Enterprise** under the Minister of Finance Regulation No. 100/PMK.010/2009 on Infrastructure Financing Companies

Duties

PT SMI carries the duty of supporting the Government’s infrastructure development agenda for Indonesia through partnerships with private and/or multilateral financial institutions in Public-Private Partnership (PPP) projects. As such, PT SMI can serve as a catalyst in accelerating infrastructure development in Indonesia.

Ownership

100% owned by the Government of Indonesia

Vision

To serve as catalyst in accelerating national infrastructure development

Mission

1. To become a strategic partner that delivers value added contributions to Indonesia’s infrastructure development
2. To develop flexible financing products
3. To offer service excellence backed with good corporate governance

Structure of PT SMI



Government of Indonesia

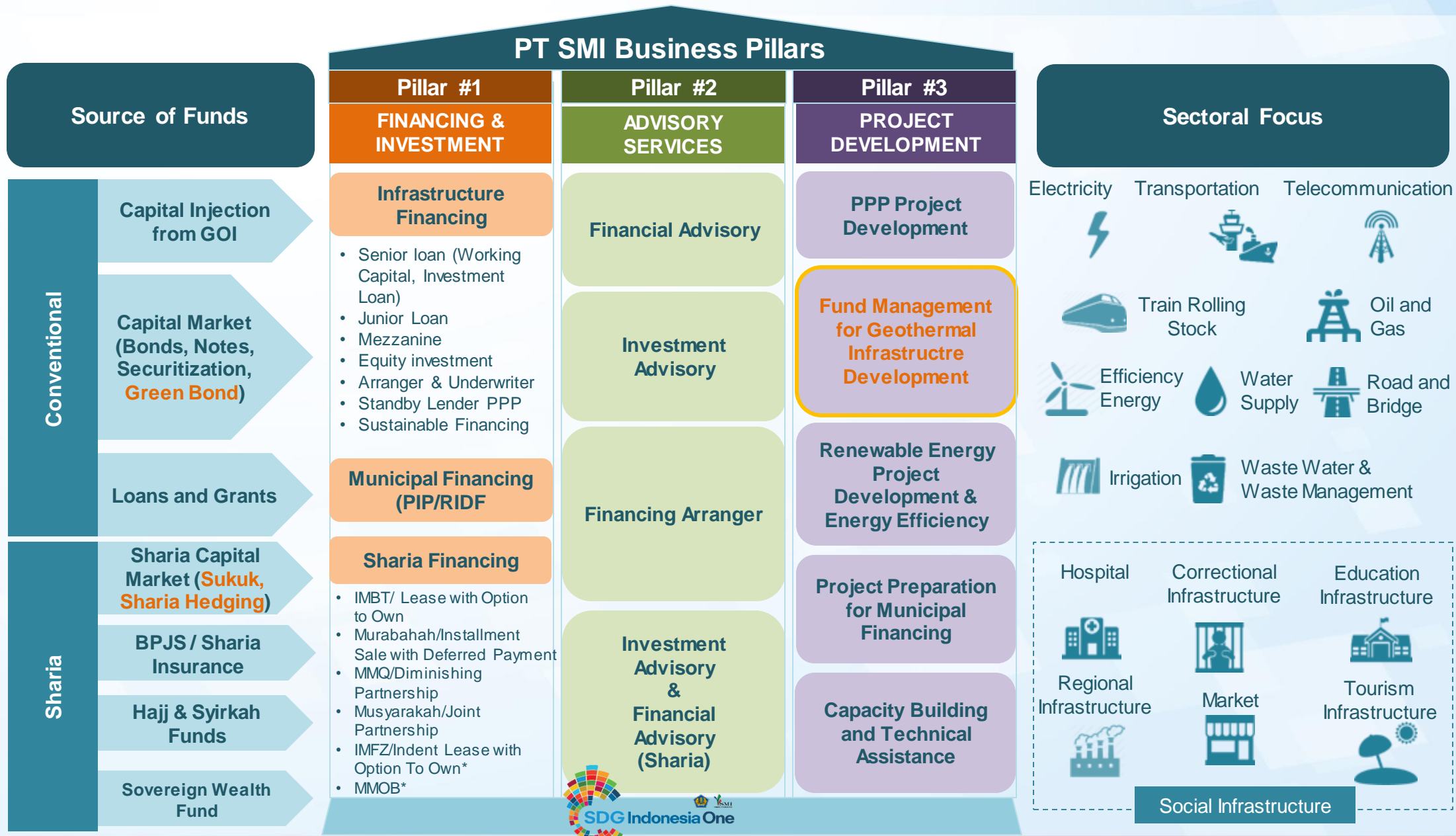
Shareholders
Ministry of Finance of Republic of Indonesia

100%



30%*





IMBT= Ijarah Muntahia Bittamlik
MMQ= Musarakah Mutanaqisah

MMOB= Mudharabah Muqayyadah on Balance Sheet
IMFZ= Ijarah Mausufah Fiz Zimmah

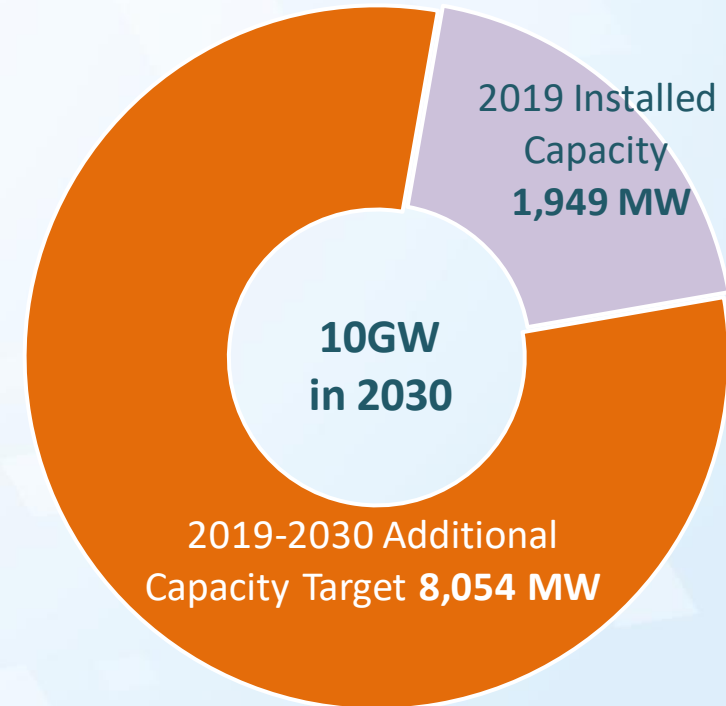
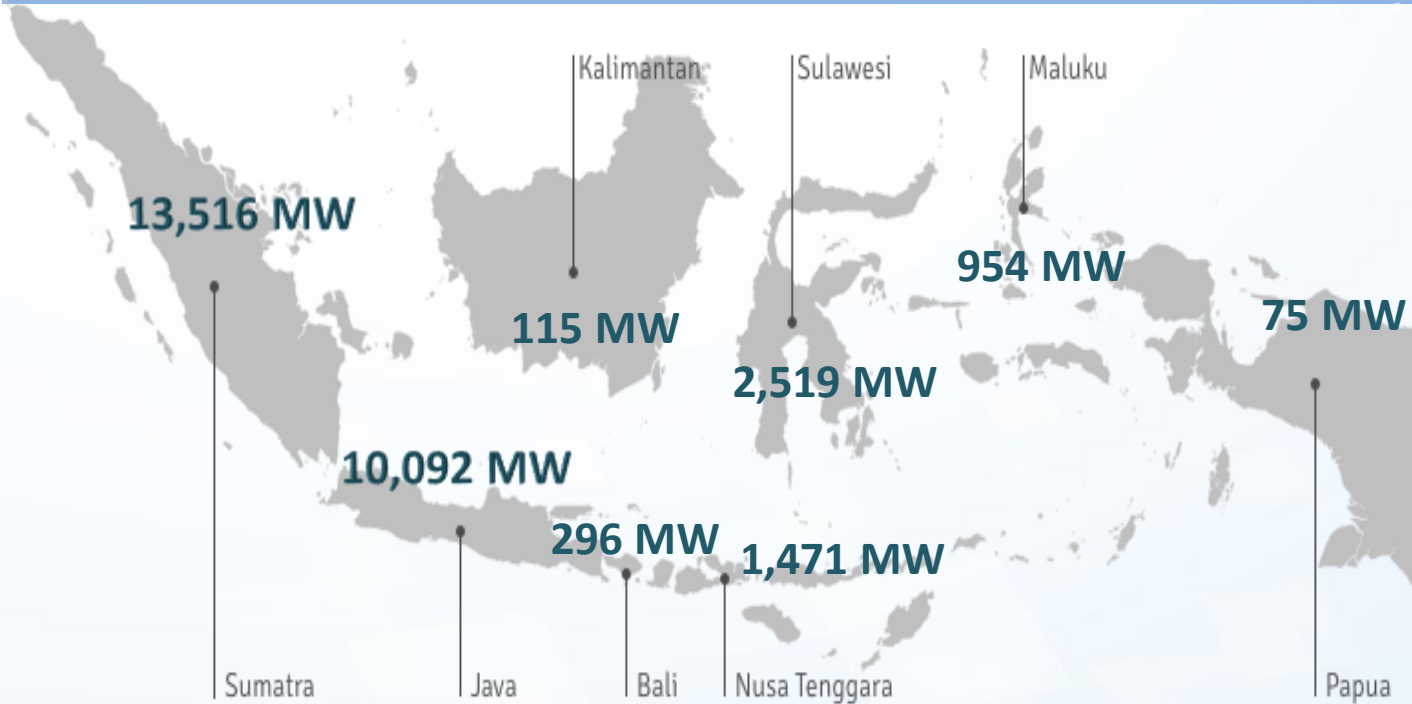
*Under development process
New initiatives in 2018

Indonesia Target for Geothermal Production

Geothermal Resource Estimate Total 28.5GW
(Geological Agency, 2018)



Installed Capacity Target
(MEMR, 2019)



Initiative #1: Government Exploration Drilling

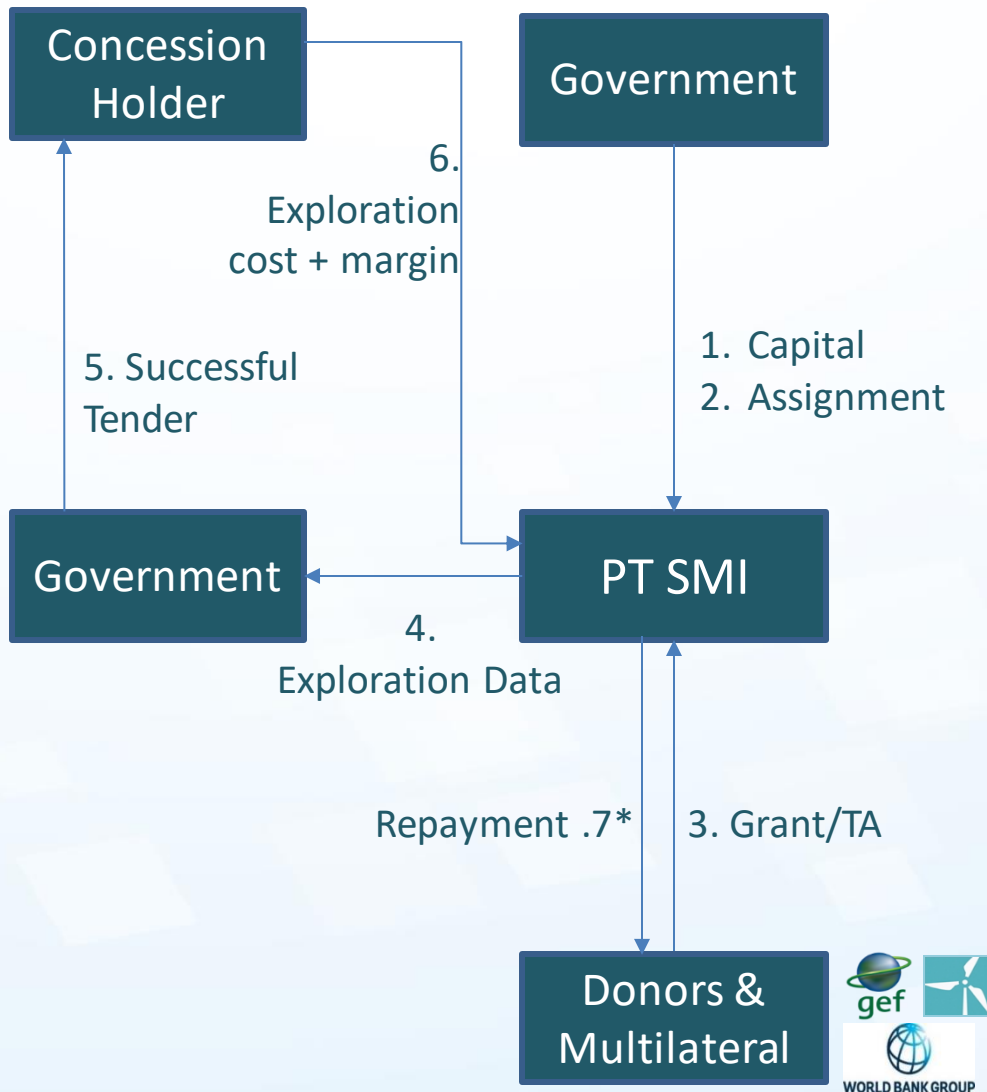
- Greenfield exploration drilling by Government
- Promotes data quality prior concession tender
- Revolving fund (winning bidder to repay exploration cost)

Initiative #2: Exploration Risk Mitigation Mechanism

- Greenfield exploration drilling by concession holder
- Reducing concession's holder capital exposure
- Loan with partial 'forgiveness'

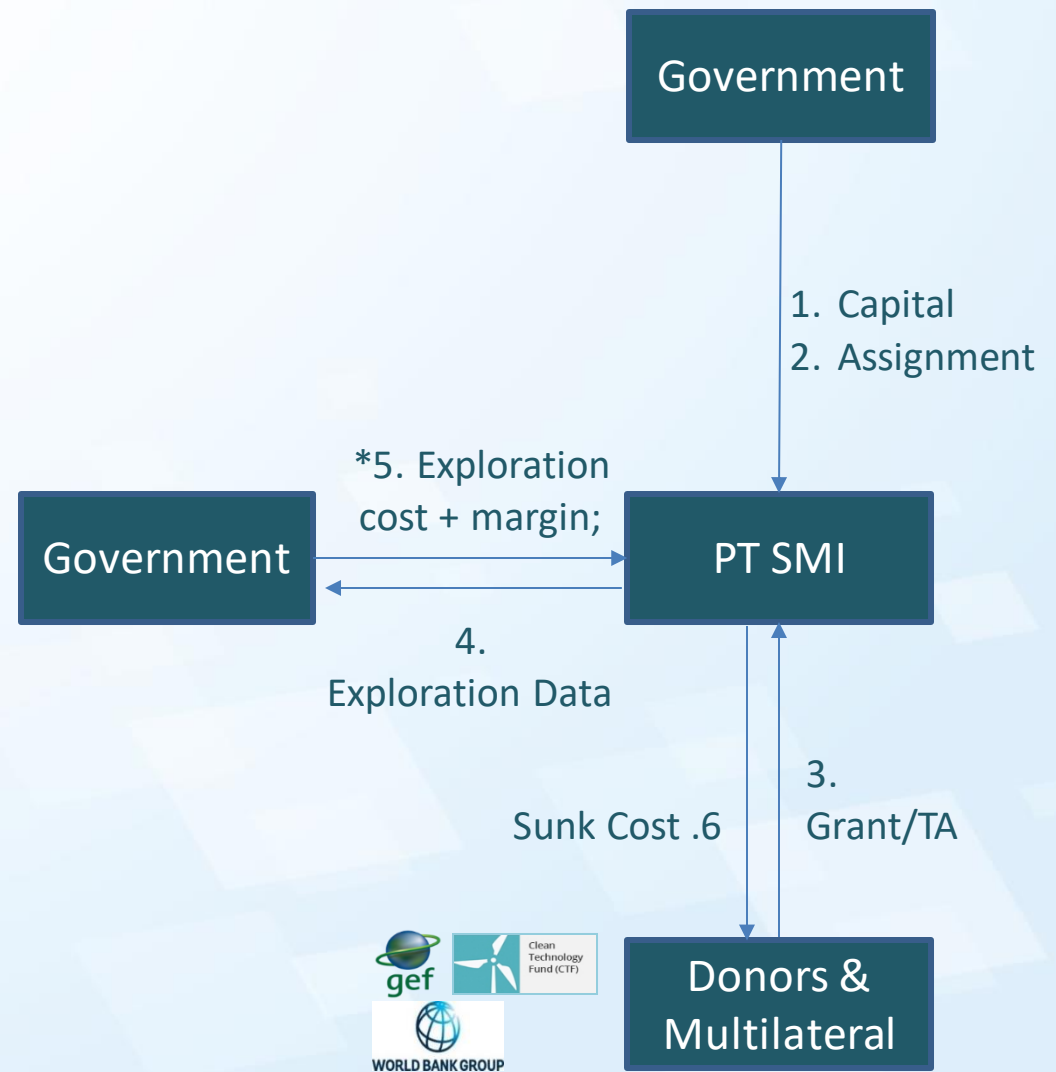
Initiative #1: Government Exploration Drilling

Resources are confirmed & Private is interested



*Note #7: When the project utilizes Donors & MLA fund

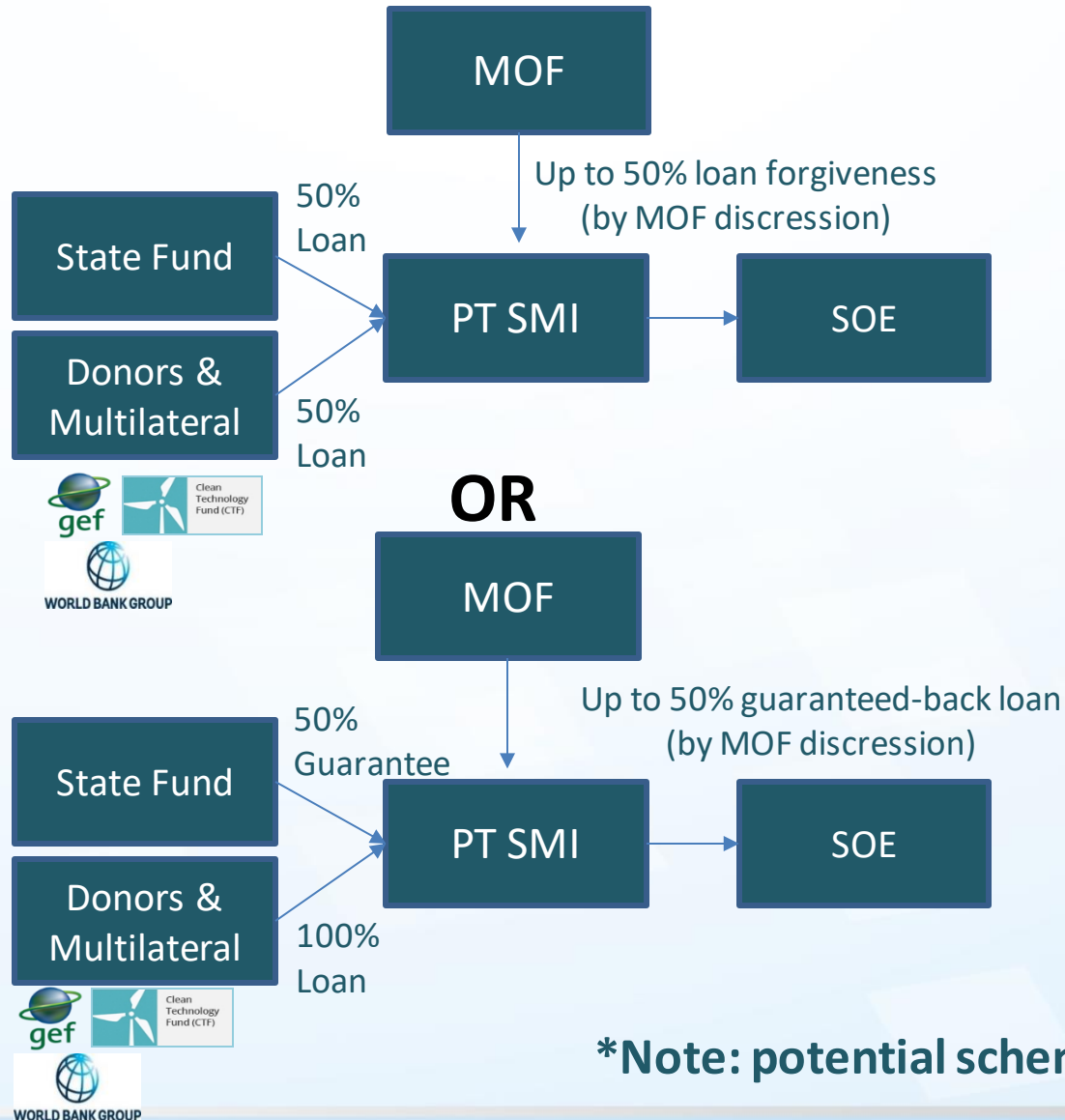
Resources are not confirmed and/or Private is not interested



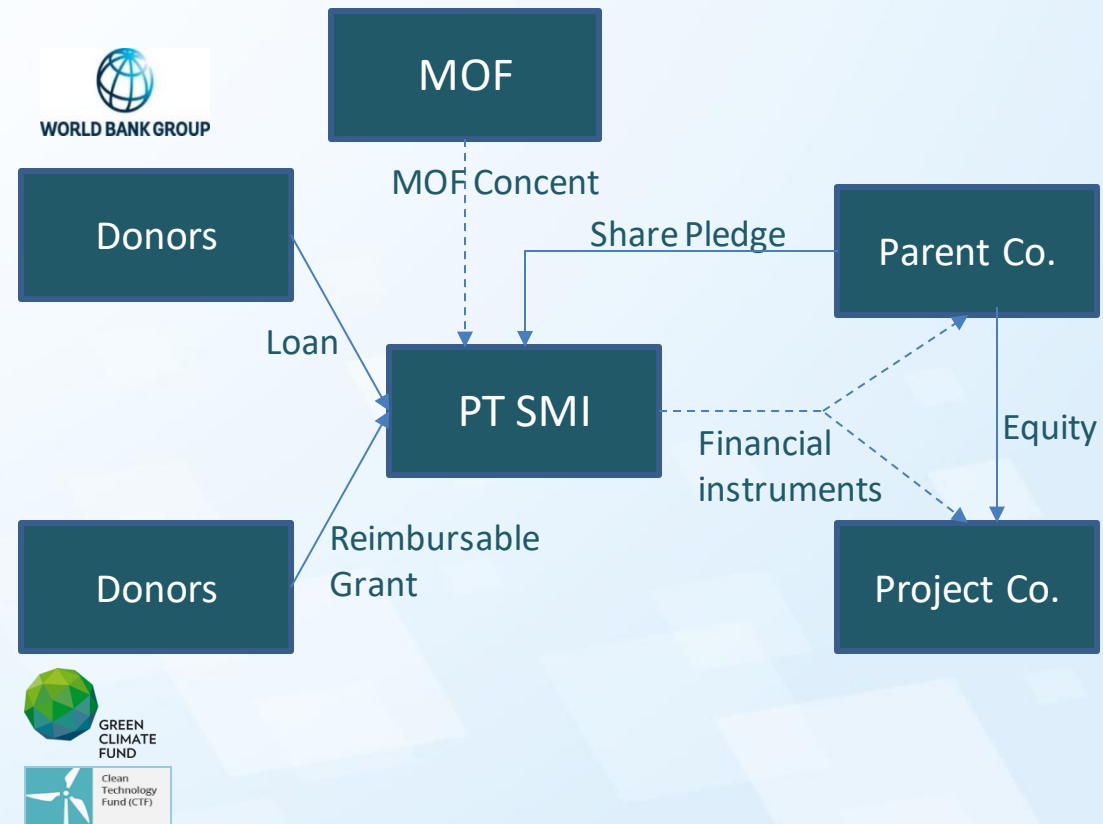
*Note #5: When the project does not utilize Donors & MIA Fund

Initiative #2*: Exploration Risk Mitigation Mechanism (GREM)

For State-Owned Enterprises (SOEs)



For Private Companies



*Note: potential schemes, under discussion

Thank You

PT Sarana Multi Infrastruktur (Persero)

Sahid Sudirman Center, Lantai 47-48

Jl. Jenderal Sudirman No. 86

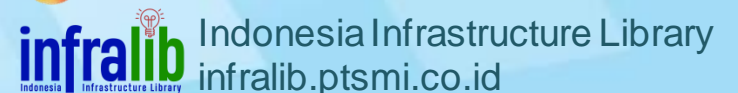
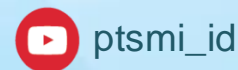
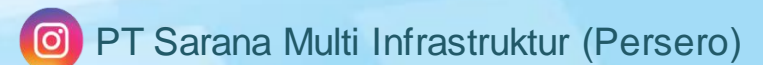
Jakarta 10220, Indonesia

Telephone : (62-21) 8082 5288 (*hunting*)

Faximile : (62-21) 8082 5258

Website : www.ptsmi.co.id

Email : corporatesecretary@ptsmi.co.id



#BaktiuntukNegeri

Strategic Partnership to Boost Capacity Leverage

Type of Partnership

1

Direct Lending

Long-term financing with competitive interest rate

2

Innovative Product Development

- First Loss Mechanism
- Interest Subsidy
- Quasi-Equity Facility
- Multipurpose Line Facility (MLF)

3

Transfer of Knowledge

Technical Assistance / Capacity Building

4

Trustworthy Institution

Grants management with total up to USD64.7 million for projects related to renewable energy, geothermal, municipal financing, etc.

Strategic Partnership with Multilateral/Bilateral Organizations



WORLD BANK GROUP
RIDF Loan – USD100 million
Subordinated loan to IIF -
USD 200 million



ADB
ASIAN DEVELOPMENT BANK
Subordinated loan to IIF –
USD 100 million



AIIB ASIAN INFRASTRUCTURE
INVESTMENT BANK

AIIB
RIDF Loan - USD100 million



CTF
Grant USD49 million for
geothermal projects



GEF
Grant USD6.25 million for
geothermal projects



CDIA
“Linking Cities’ Infrastructure
Investment Projects to Finance”
Capacity Building



UNDP
Technical Assistance
Wind Power - USD 300,000



AFD
AGENCE FRANÇAISE
DE DÉVELOPPEMENT
Loan USD100 million, Grant USD5
million, & TA EUR400,000 for RE & EE



**NEW ZEALAND
FOREIGN AFFAIRS & TRADE**
NZ Aid Programme
TA – NZD2.13 million



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

**SECO - State Secretariat for
Economic Affairs (SECO)**
Grant USD3 million



**GREEN
CLIMATE
FUND**

PT SMI is the first private
institution in Southeast Asia
accredited by Green Climate
Fund (GCF)



PT SMI is the first institution
issuing Corporate Green
Bond in Indonesia
(reviewed by CICERO)
assisted by World Bank



**CLIMATE
POLICY
INITIATIVE**

Climate Policy Initiative (CPI)
Technical Assistance USD 200,000

All these strategic partnerships indicate the trust of Bilateral/Multilateral Organizations toward the Company

Development Facilities

USD 40.8 Juta



De-Risking Facilities

USD 1.92 Miliar



Financing Facilities

USD 316 Juta



Equity Fund

USD 188 Juta



USD 2.46 Billion from 28 SDG Partners

Better access



Provide electricity to **3.3 million homes** or **13 millions people**



Clean water contribution to **2 million homes** or **8.1 million people**



Natural gas supply to **21,000 homes**

Climate Change Mitigation Support



CO² emissions reduction equivalent to **920 tons/year**

Increase Productivity



Additional **2,984 MW** of electric power capacity



Clean water production with capacity of **14,140 l/s**



Additional fuel production of **31,000 bpd**



Gas stock capacity increased to **10,000 MT**

Jobs Creation



Employed **1.9 million workers** during construction period

Infrastructure & Rolling Stock Improvement



2,253.2 km toll roads (including public roads)



80 additional electric trains and revitalization of **438 train carriages**



52,000 tower telecommunication projects



2,700 km of fiber optic network in the centre of Indonesia

Public Service Improvement



Serving **76 million users** of telecommunication service across Indonesia



Health facility for **720 new patients/year**



Additional facility of **1,031 new hospital beds**



Passenger capacity increased to **7.3 million/year**



Additional capacity of **37.5 million airport passengers per year**



Flow of port goods capacity increased to **2.26 million TEUs per year**



Irrigation to **185 thousand hectares paddy fields**