



**Indonesia-South Korea**

**Renewable Energy**

**Investment Forum**

**April 20, 2021**

# Contents

## 01

### About KOMIPO

- Overview
- Domestic Business
- Overseas Business

## 02

### Focus on Indonesia

- Indonesia Projects
- Projects' Status
- Indonesia Projects Case
- Why Hydropower?
- Suggestions

## 03

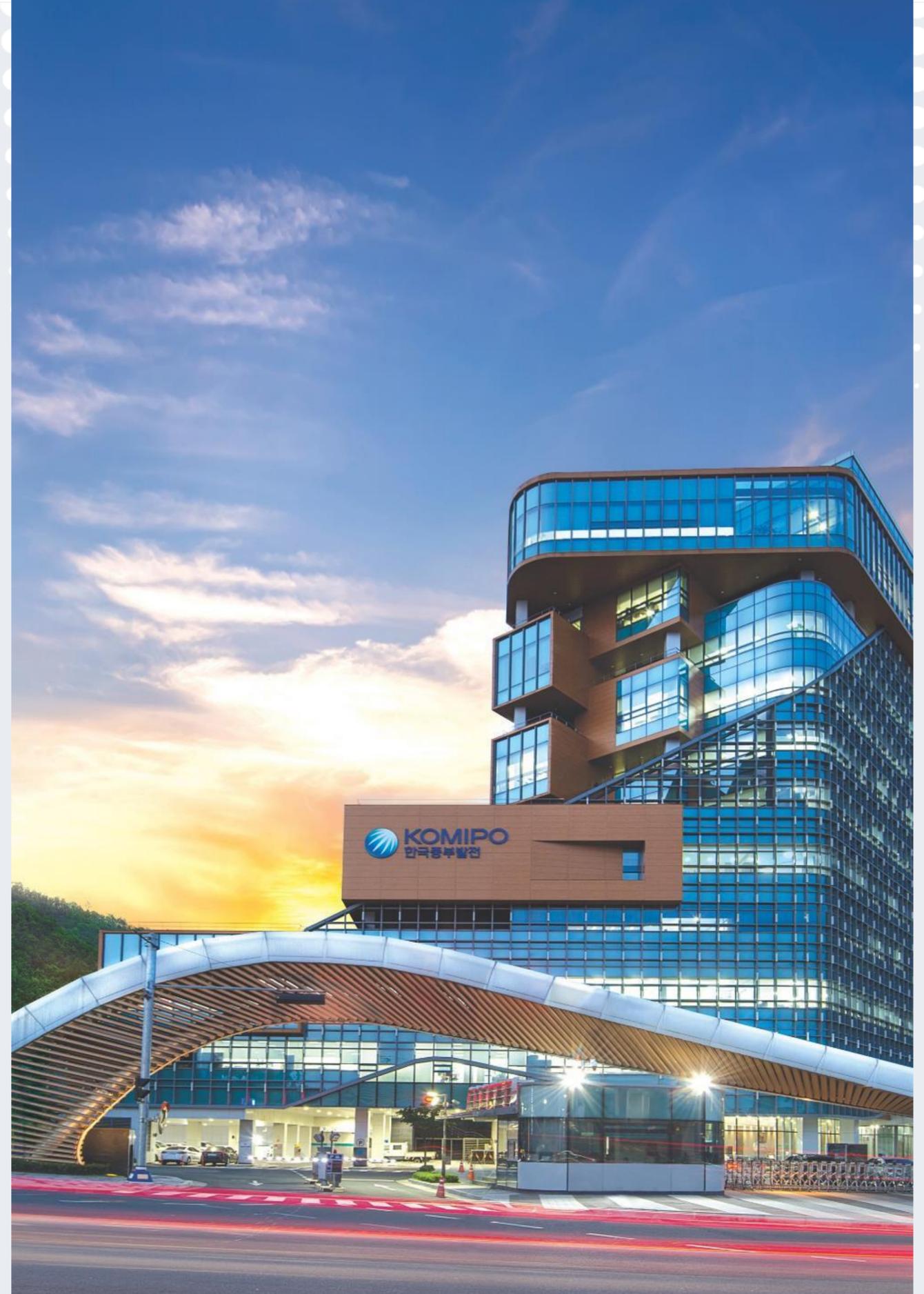
### CSR on Indonesia

- CSR Activities



# About KOMIPO

Global Energy Leader, **KOMIPO**



# Overview



## Date of Establishment

April 2, 2001



## Basis of Establishment

Act on the Promotion of Restructuring of Electric Power Industry, Articles 1-10



## Purpose of Establishment

Ensuring a stable electrical power supply, including the development and growth of South Korea's electricity resources, power generation, and related matters.



## Lead Organization

Ministry of Trade, Industry and Energy



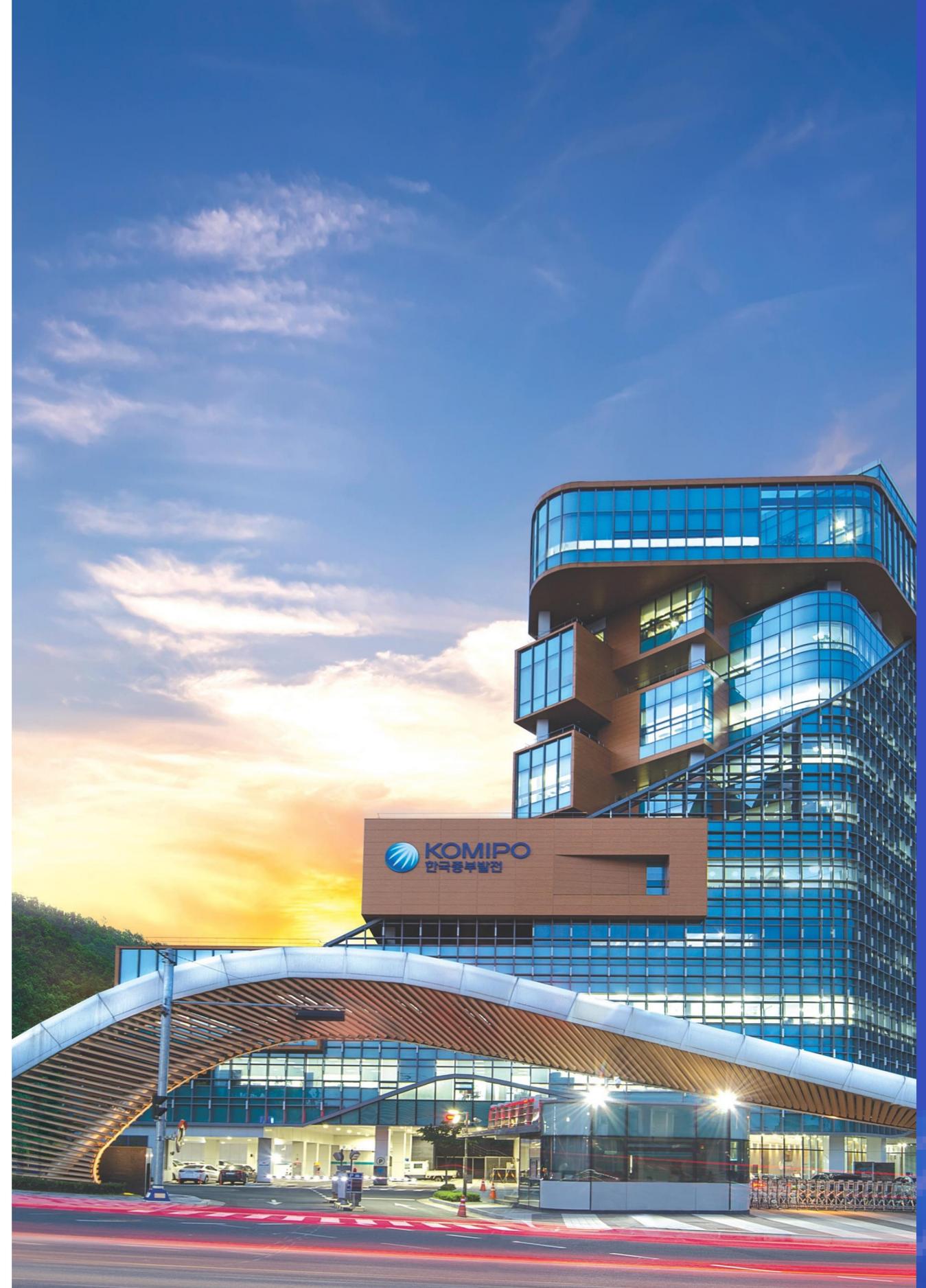
## Homepage

[www.komipo.co.kr](http://www.komipo.co.kr)



## Address

Daecheon-dong, 160 Boryeongbuk-ro, Boryeong, Chungcheongnam-do

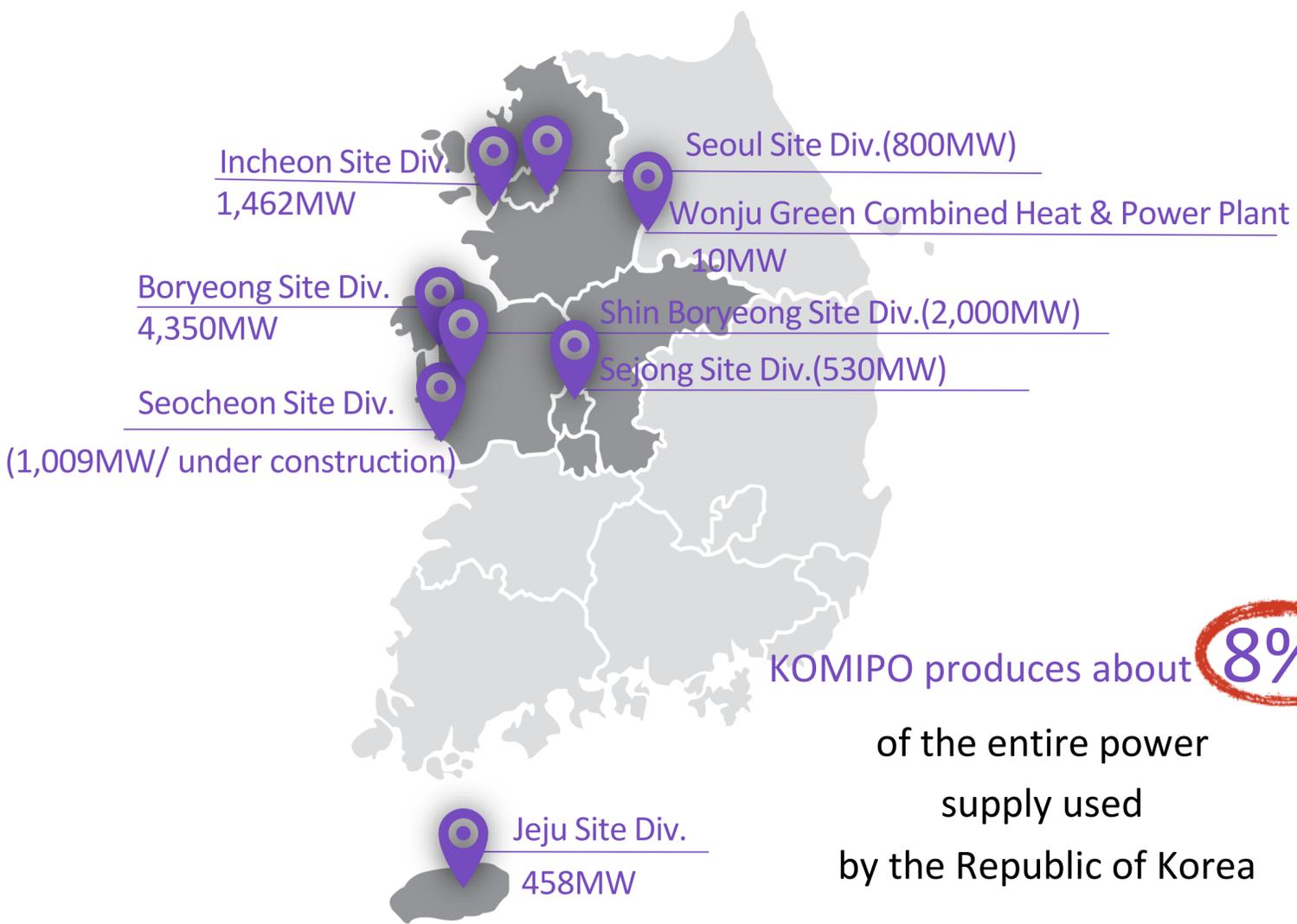


# Domestic Businesses

**Total Capacities : 10,835MW**  
 (Thermal : 10,619MW / Renewable : 216MW )

## Status of Domestic Thermal Power Plants

Coal-Fired : 6,009MW / Others : 10MW  
 Combined Cycle : 4,600MW

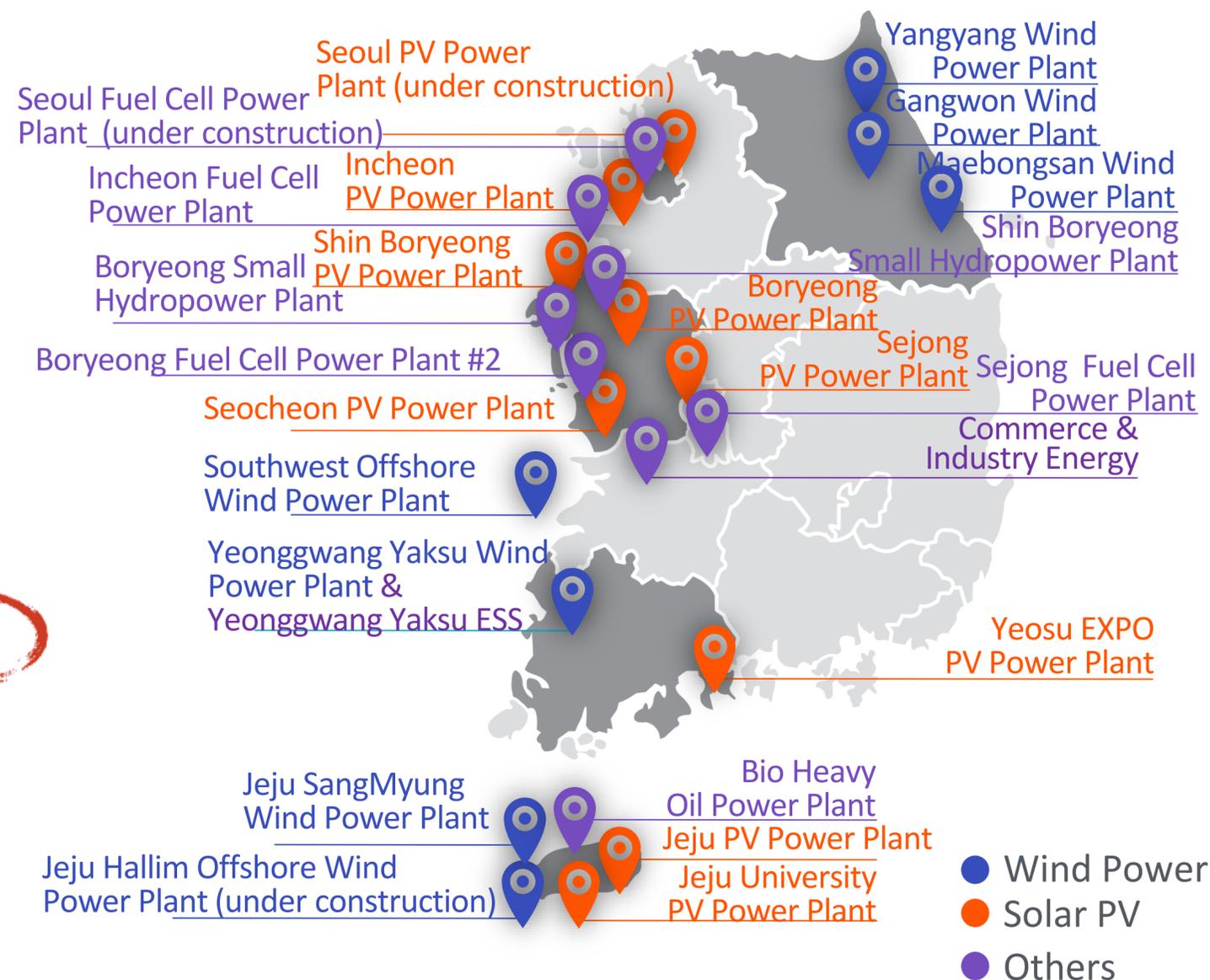


KOMIPO produces about **8%** of the entire power supply used by the Republic of Korea



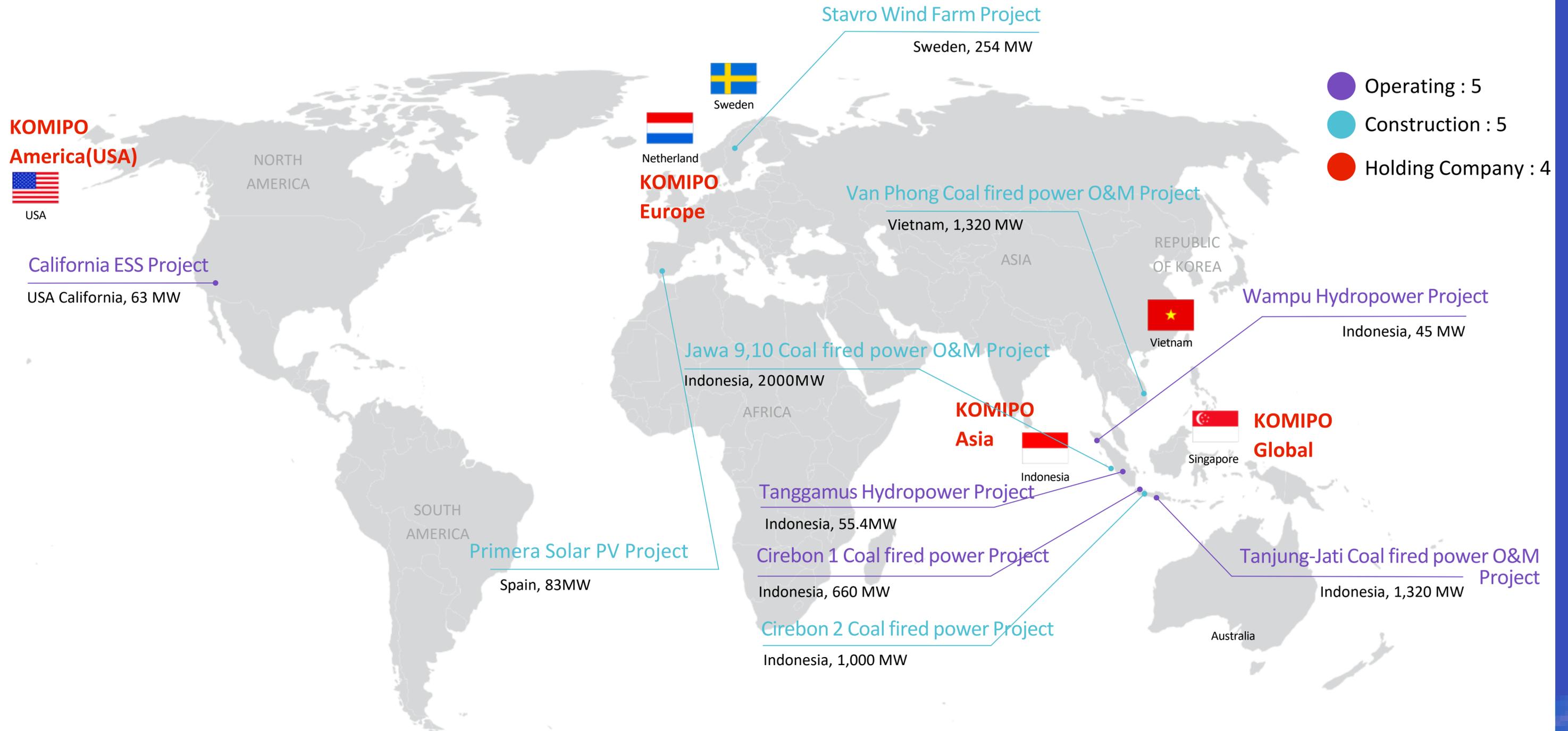
## Status of New and Renewable Energy Power Plant

Solar : 15MW / Wind : 158MW  
 Others : 43MW



# Overseas Businesses

**Total Capacities : 6,800MW**  
 (Thermal : 6,300MW / Hydro : 100MW / Solar+Wind : 400MW)



# Focus on Indonesia

Global Energy Leader, **KOMIPO**



# Indonesia Projects



# Projects' Status

**Total Capacities : 5,583MW**

(Thermal : 4,980MW, Hydro : 603MW)

Name	Type	Capacity(MW)	Status	Remark	
Cirebon #1	Coal-fired	660	Operating	From July 2012 ~	
Tanjung Jati #3/#4		1,320		From January 2012 ~, O&M Service	
Cirebon #2		1,000	Construction	Technical Advisory and Support Service	
Jawa #9/#10		2,000			
Total		4,980			
Wampu	Hydro	45	Operating	From April 2016 ~	
Tanggamus		56		From July 2018 ~	
Siborpa		114	Developing	DPT PQ Passed('19.3), Invested USD 13,000,000, ESIA(AMDAL) finished, Company was established(PT.SEP)	
Samarkilang		81		DPT PQ Passed('19.3), ESIA(AMDAL) finished	
Pongkeru		92		DPT PQ Passed('19.3), ESIA(AMDAL) conducting	
Kaperas		68		DPT PQ applied('20.4)	
Florence		35		DPT PQ applied('20.4)	
Tripa-2		112		DPT PQ applied('20.4)	
Total				603	

# Indonesia Projects Case #1

## [Wampu Hydropower Project]



- ✓ Location : Karo regency, North Sumatra province, Sumatra Island (South West 160km from Medan)
- ✓ Capacities : 45MW(15MW x 3 Units), Run of Rivers type
- ✓ Achieved commercial operation date : April 2016 ~
- ✓ Total Project Cost : USD 170million
- ✓ Annual Electricity Production : 315GWh

# Indonesia Projects Case #2

## [Tanggamus hydropower Project]



- ✓ Location : Tanggamus regency, Lampung province, Sumatra Island
- ✓ Capacities : 55.4MW(27.7MW × 2 Units), Run of Rivers type
- ✓ Achieved commercial operation date : July 2018 ~
- ✓ Total Project Cost : USD 178 million
- ✓ Annual Electricity Production : 278GWh

# Why Hydropower?

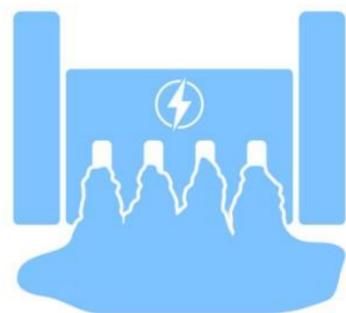
## Advantages of Hydroelectric Power

### 1. Flexibility

- Able to generate when necessary
- Quick-start : Only 60 to 90 seconds takes to turn on the generator from stop status.
- Cold Start(No external power required)
- Rapid response to load fluctuations

### 2. Low power generation costs

- Long lifespan (More than 30 years)
- Low operation cost(no fuel, simple technology)



### 3. Green Energy

- Hydropower Plant doesn't use fossil fuels, therefore it doesn't produce any harmful emission.

### 4. Economic Value Added

- Prevention of soil leakage
- High Local Contents Ratio
- Creation Job opportunities

# Suggestions

## Projects are Ready to fly and waiting for further progress

### Background

- Since April 2018(DPT regulation was issued), two PQ(pre-qualification) process were in 2018 and 2020
- However no further process for hydropower

### While we are waiting for further process for hydropower

- Continuously Investing Funds to Develop our Projects
- Acquired Necessary Permits and Licences  
(Ex. Location Permit(Izin Lokasi), Environment Permit(Izin Lingkungan), etc.)
- Conducting Basic Design
- Maintaining experienced sponsors and manpower

 **We hope that a process for hydropower will be commenced soon(Ex. Bidding or New President Regulation) with bankable conditions(Ex. Take or Pay, Reasonable Tariff, etc)**

# CSR on Indonesia

Global Energy Leader, **KOMIPO**



# CSR Activities #1

## Educational Support



Establishing KOMIPO School



Establishing Renewable Energy Research Lap Of Bandung Institute of Technology(ITB)



Donating Personal Computers

## Environmental Support



Local Village environment improvement



Planting mangrove trees



Support for endangered elephants

## Income Increase Support



Support for vocational Training

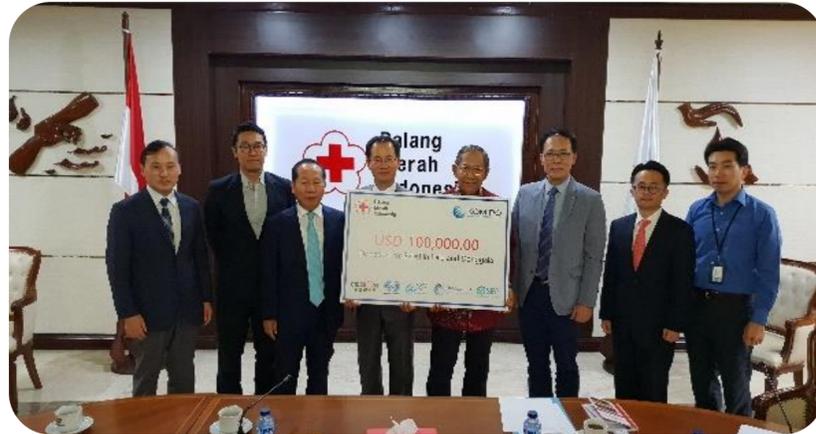


Support for local farming associations



Establishment of vocational training center

# CSR Activities #2



## Aid donation support for Earthquake and tsunami (USD 100,000)

- October 2018. Aid donation support for Sulawesi earthquake



## Corona 19 protective goods support(USD 100,000)

- Protective clothing delivery
- Corona diagnostic kit support



## Donation for Victims of Sunda Tsunami(USD 50,000)

- Donated aid in the form of the fund for victims of the tsunami in the Sunda Strait

**Thank you!**  
**Terima Kasi!**



**KOMIPO**  
KOREA MIDLAND POWER CO.,LTD.