

[Power Generation and Plant Development]

Power Plant Track Record and Future Projects in Kazakhstan



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Doosan Enerbility

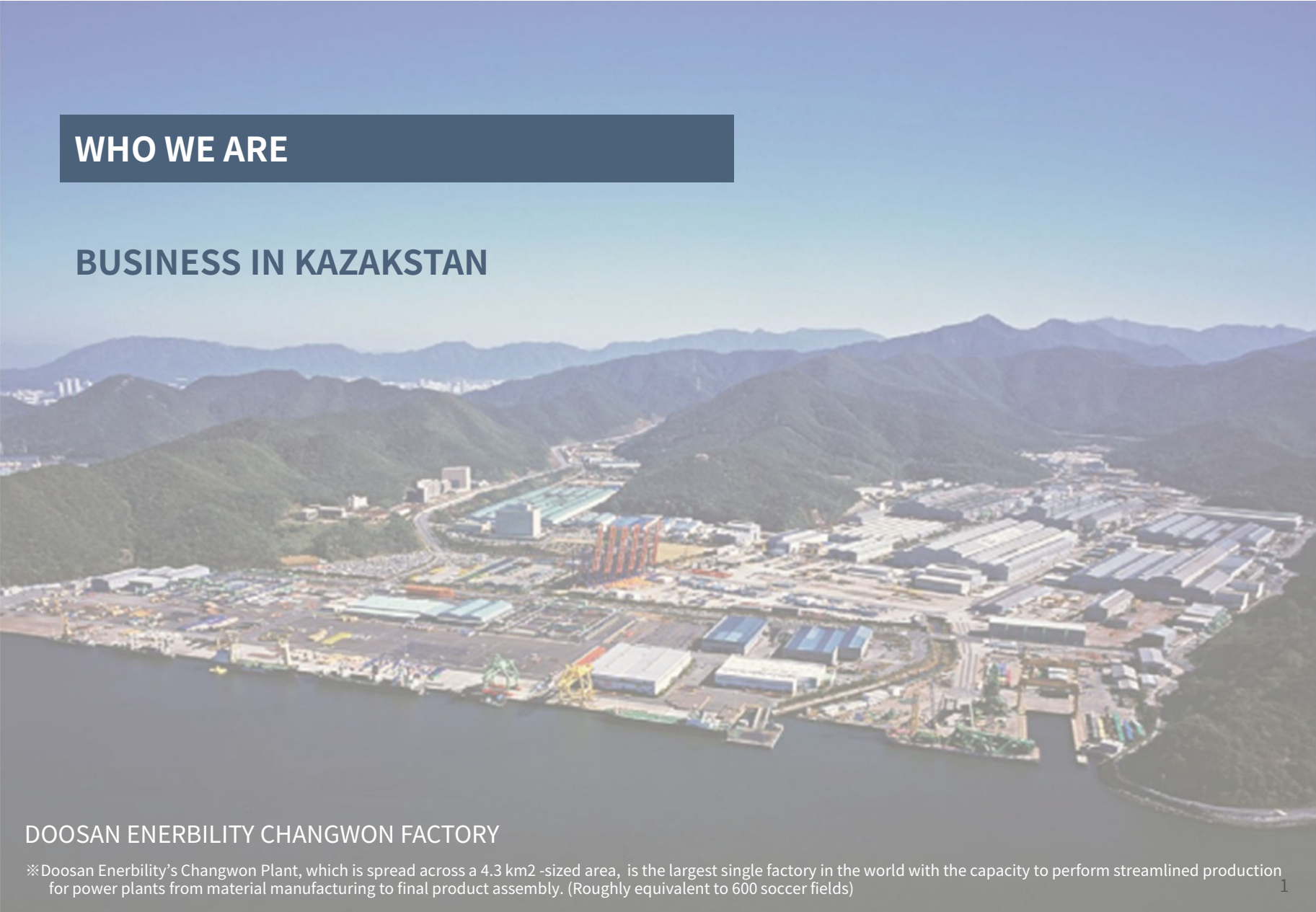
DOOSAN ENERBILITY

DOOSAN

-Power Plant Track Record and Future Projects in Kazakhstan



July 2026



WHO WE ARE

BUSINESS IN KAZAKSTAN

DOOSAN ENERBILITY CHANGWON FACTORY

※Doosan Enerbility's Changwon Plant, which is spread across a 4.3 km² -sized area, is the largest single factory in the world with the capacity to perform streamlined production for power plants from material manufacturing to final product assembly. (Roughly equivalent to 600 soccer fields)

New Start as Doosan Enerbility

Doosan Heavy Industries & Construction (DHI) renamed as **Doosan Enerbility** April 2022

Energy + Sustainability
“Enerbility”



Make Earth a Cleaner Planet



Sustainable Energy
with Technologies & Solution



New Energy Era
with Eco-Friendly Power Solutions

Core Business & Organization

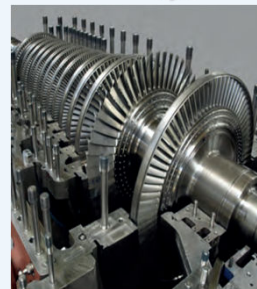
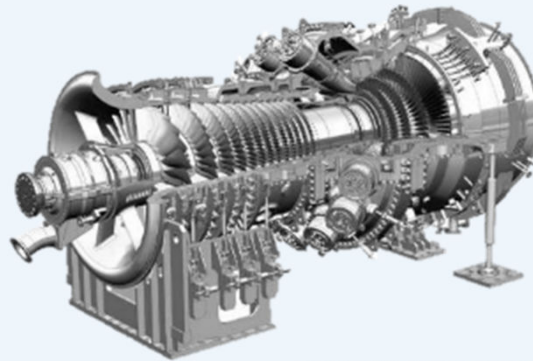
Korea's only company to handle from power equipment manufacturing to construction



Casting &
Forging



Nuclear
Components &
Service



Turbine &
Generator,
Boiler



Plant O&M and
R&M
(Renovation &
Modernization)



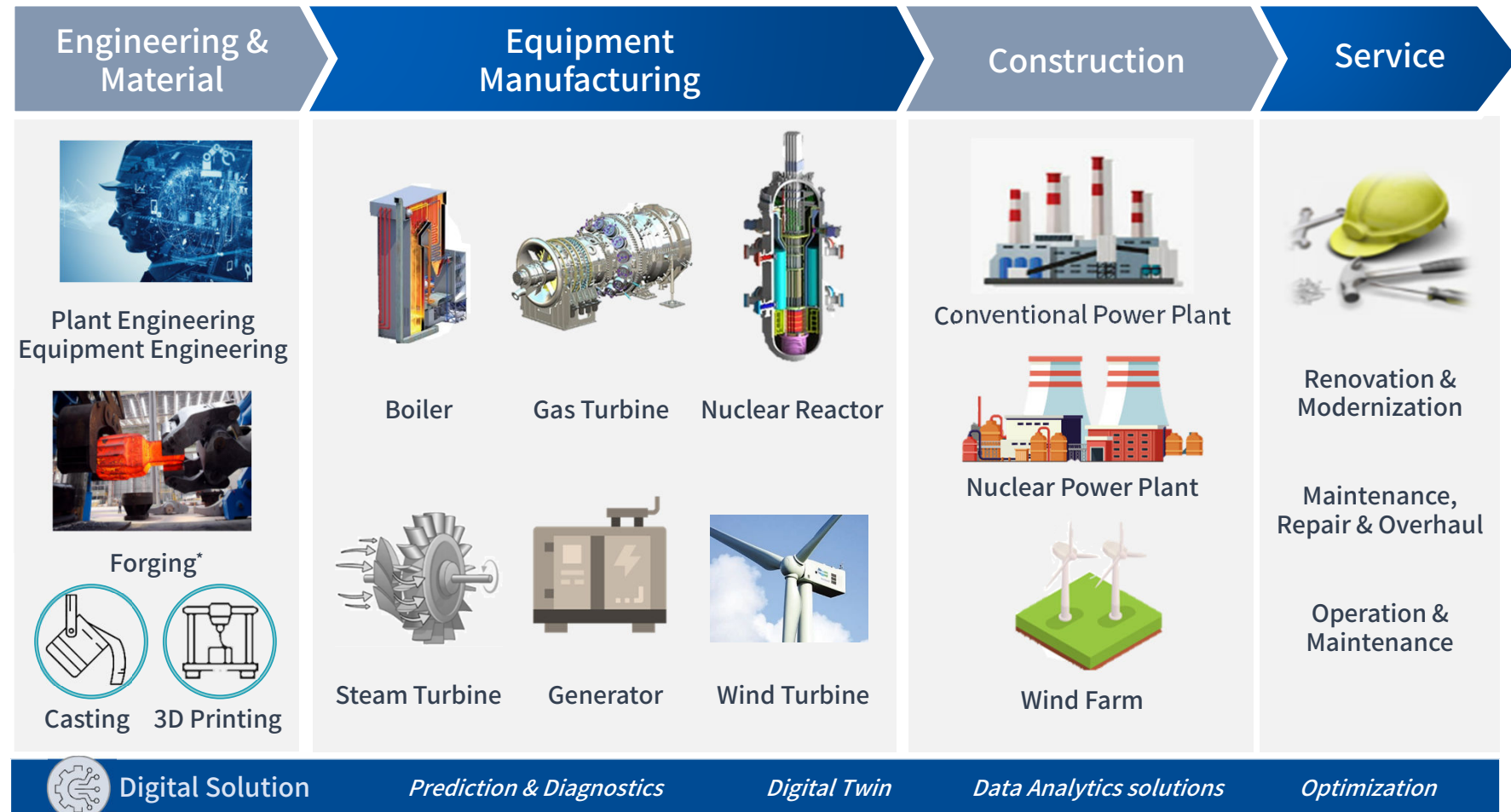
Power Plant
EPC



Wind Power

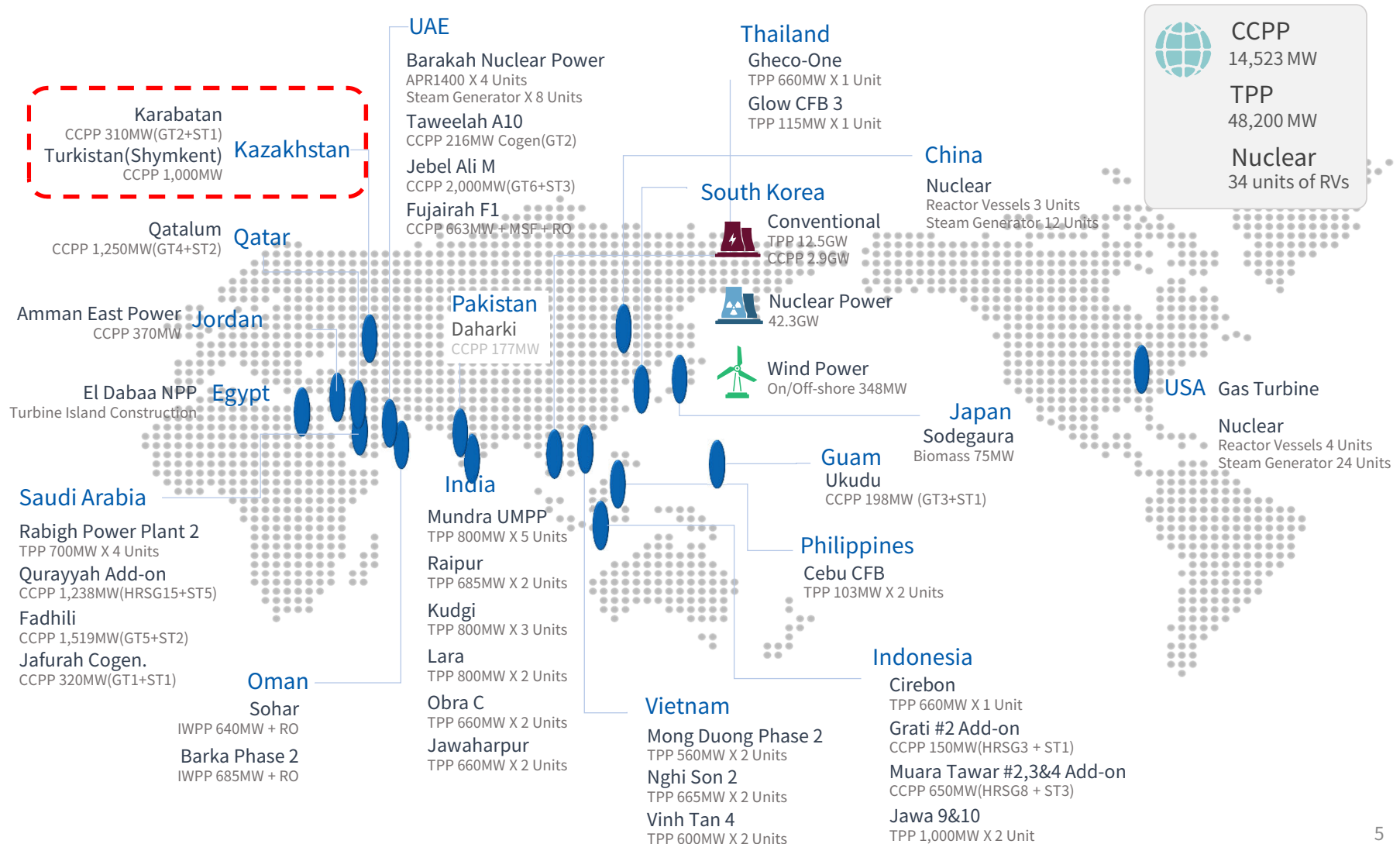
Integrated Energy Solution Provider

Doosan Enerbility provides integrated energy solution from raw material to service



*A 17,000-ton forging press, the world's largest-to-date, operated at Doosan Enerbility's Changwon Plant.

Global Experience in Power Business (330+)



WHO WE ARE

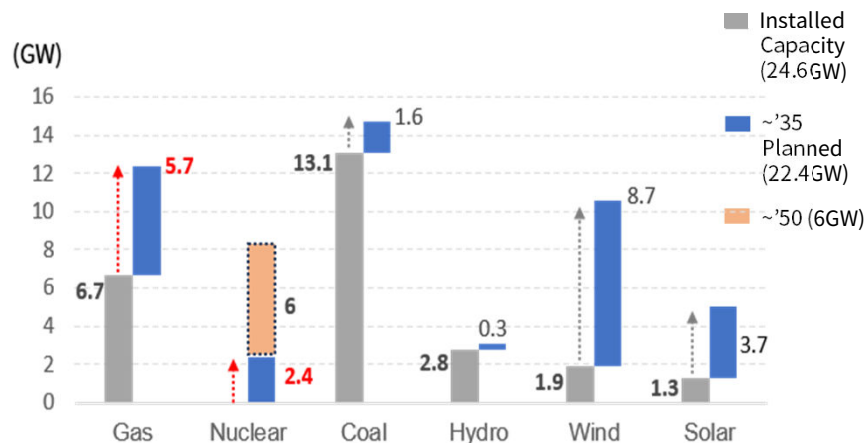
BUSINESS IN KAZAKSTAN

DOOSAN ENERBILITY CHANGWON FACTORY

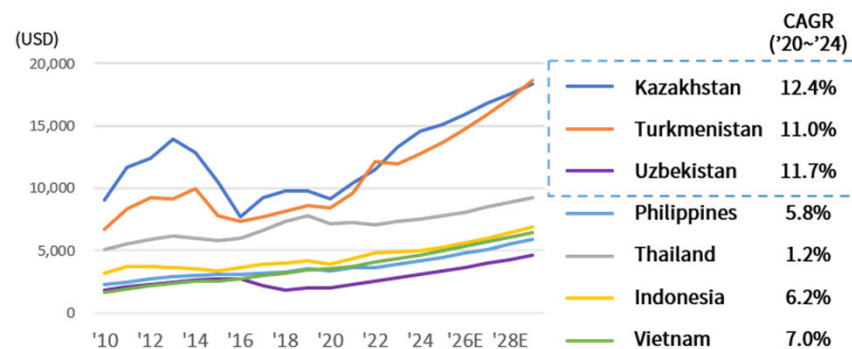
※Doosan Enerbility's Changwon Plant, which is spread across a 4.3 km² -sized area, is the largest single factory in the world with the capacity to perform streamlined production for power plants from material manufacturing to final product assembly. (Roughly equivalent to 600 soccer fields)

Strategic Focus in Kazakhstan

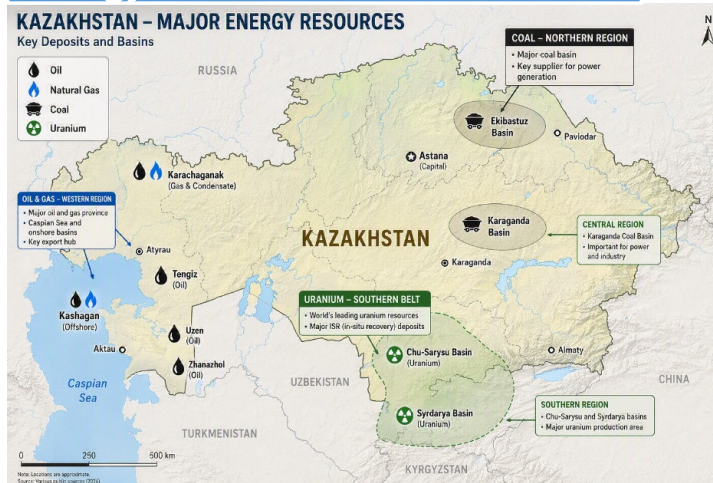
Electricity Mix and Plan



GDP Growth Rate and Forecast



Energy Resource



OPPORTUNITY

- ✓ Geopolitical Importance
- ✓ Robust Energy Plan
 - Planned phase-out and modernization of aging coal-fired power plants, reflecting high dependence on coal-based power generation
- ✓ The highest GDP growth rate among CIS countries
- ✓ Abundant Energy Resources
 - Oil (top 12 in reserves and exports), Natural gas (top 15), and Uranium (the world's largest producer and exporter)

Successful Completion Experience



- Location : Atyrau Region, Kazakhstan
- Owner : Karabatan Utility Solutions LLP
- Scope : EPCm (Cm : Construction management)
- Major Equipment
 - GT : SGT-800 (Siemens) x4
 - ST : MTD-30 (Doosan SKODA) x2
- Status : In operation (Completed in 2020)

Karabatan CCPP (310MW, 2-2-1 x 2 Block)
- The first commercial CCPP in Kazakhstan

Project in Progress

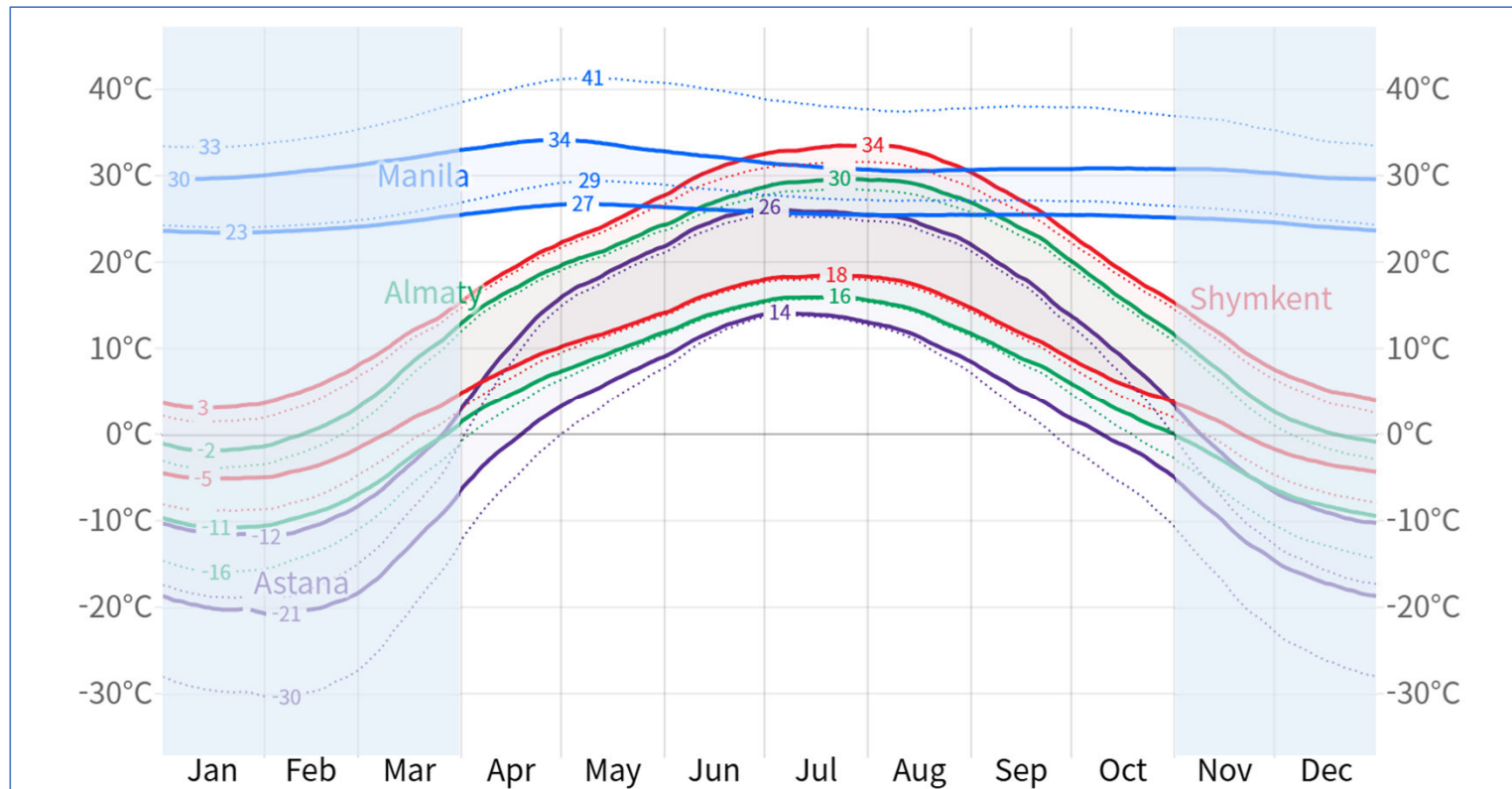


- Location : Shymkent Region, Kazakhstan
- Owner : Turkistan LLP
- Scope : EPC
- Major Equipment
 - GT : SGT-2000E (Siemens) x4
 - ST : DST-S20 (Doosan SKODA) x2
- Status : In Progress

Turkistan CCPP (1,050MW, 2-2-1 x 2 Block)
- The biggest CCPP in Kazakhstan

Project in Progress

Average High and Low Temperature in Kazakhstan and Manila

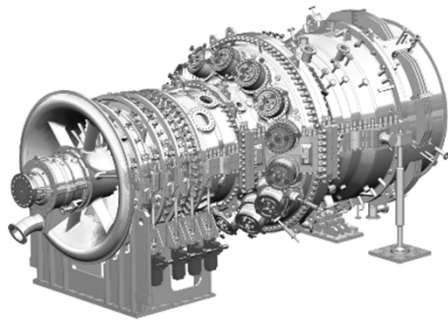


Introduction to Doosan Hydrogen Ready Gas Turbine

Gas Turbine

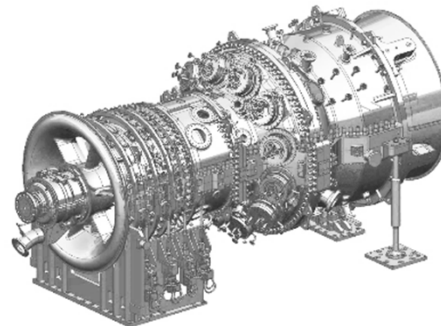
The world's fifth, a large-scale power generation gas turbine by Doosan.
Developing a mid-scale gas turbine based on proprietary technology.

Gas turbine model line-up



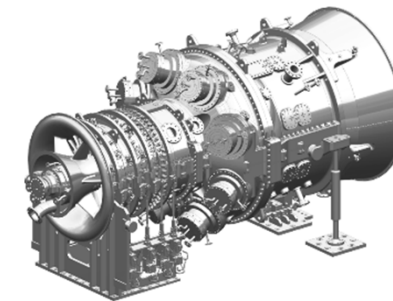
S1 DGT6-300H.S1

Output	270MW
Net Efficiency	Over 40%, LHV
Environment	NOx : 15ppm, CO : 10ppm
Starting time	20 mins @ normal, 12 mins @ fast
Turn down	40%
Ramp rate	40MW per min
Frequency	60Hz



S2 DGT6-300H.S2

Output	380MW
Net Efficiency	Over 43%, LHV
Environment	NOx : 30ppm, CO : 10ppm
Starting time	20 mins @ normal, 12 mins @ fast
Turn down	40%
Ramp rate	55MW per min
Frequency	60Hz



M DGT-100

SC Output	90MW
Net Efficiency	Over 39%, LHV
Environment	NOx : 15ppm, CO : 10ppm
Starting time	10 mins @ Hot condition
Turn down	40%
Ramp rate	20MW per min
Frequency	60Hz / 50Hz

Recent Achievement in Domestic Market

Gas Turbine

Continuous Hydrogen Ready Gas Turbine order-intake



- DGT-300H.S1 achieved 17,830 EOH at Gimpo CCHP as of March 14, 2025
- DGT-300H.S2 replacement is on the way
- S2 commercial operation at Gimpo CCHP is scheduled in the middle of 2026



- **Project / Owner** Boryeong CCPP / KOMIPO
- **Power capacity** 550MW (1 on 1)
- **GT / ST** DGT6-300H.S2 / DST-S20
- **Contract Date** June 27, 2023



- **Project / Owner** Andong CCPP / KOSPO
- **Power capacity** 550MW (1 on 1)
- **GT / ST** DGT6-300H.S2 / DST-S20
- **Contract Date** January 25, 2024



- **Project / Owner** Bundang CCPP / KOEN
- **Power capacity** 550MW (1 on 1)
- **GT / ST** DGT6-300H.S2 / DST-S20
- **Contract Date** July 01, 2024



- **Project / Owner** Haman CCPP / KOMIPO
- **Power capacity** 550MW (1 on 1)
- **GT / ST** DGT6-300H.S2 / DST-S20
- **Contract Date** July 22, 2024



- **Project / Owner** Yeosu CCPP / KOWEPO
- **Power capacity** 550MW (1 on 1)
- **GT / ST** DGT6-300H.S2 / DST-S20
- **Contract Date** December 29, 2024



- **Project / Owner** Eumsung CCPP / EWP
- **Power capacity** 555MW (1 on 1)
- **GT / ST** DGT6-300H.S2 / DST-S20
- **Contract Date** November 07, 2025



- **Project / Owner** Goyang, Hadong CCPP / KOSPO
- **Power capacity** 1,500MW (2 on 1 + 1 on 1)
- **GT / ST** DGT6-300H.S2 / DST-S20
- **Contract Date** February 11, 2026

Recent Achievement in Overseas Market

Gas Turbine

Secured 1st overseas export of DGT-300H.S2 to USA, and subsequent series booking is in progress

Economy

October 13, 2025

Doosan Enerbility Marks Korea's First Gas Turbine Export to the U.S.

Deal with major U.S. tech firm signals Korea's shift from turbine importer to exporter : two 380MW units to be delivered by 2026

TURBOMACHINERY
INTERNATIONAL

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Doosan Enerbility Wins Contract to Deliver Two Gas Turbines for U.S. Tech Company

Author(s) James Cook



Finance Business Technology Politics Society Culture Sports I

Doosan Enerbility Wins 3 More Gas Turbine Orders From U.S. Big Tech

Finance | Published 2025.12.17. 15:58:50 | Updated 2025.12.22. 21:10:58 | By Jung Hye-jin

The Asia Business Daily

Nationwide

Doosan Enerbility Secures Additional Gas Turbine Export to US: Seven...

Nationwide > Yeongnam

Doosan Enerbility Secures Additional Gas Turbine Export to US: Seven 380MW Units

by Lee Seryeong

Published 06 Mar 2026 18:34(KST)

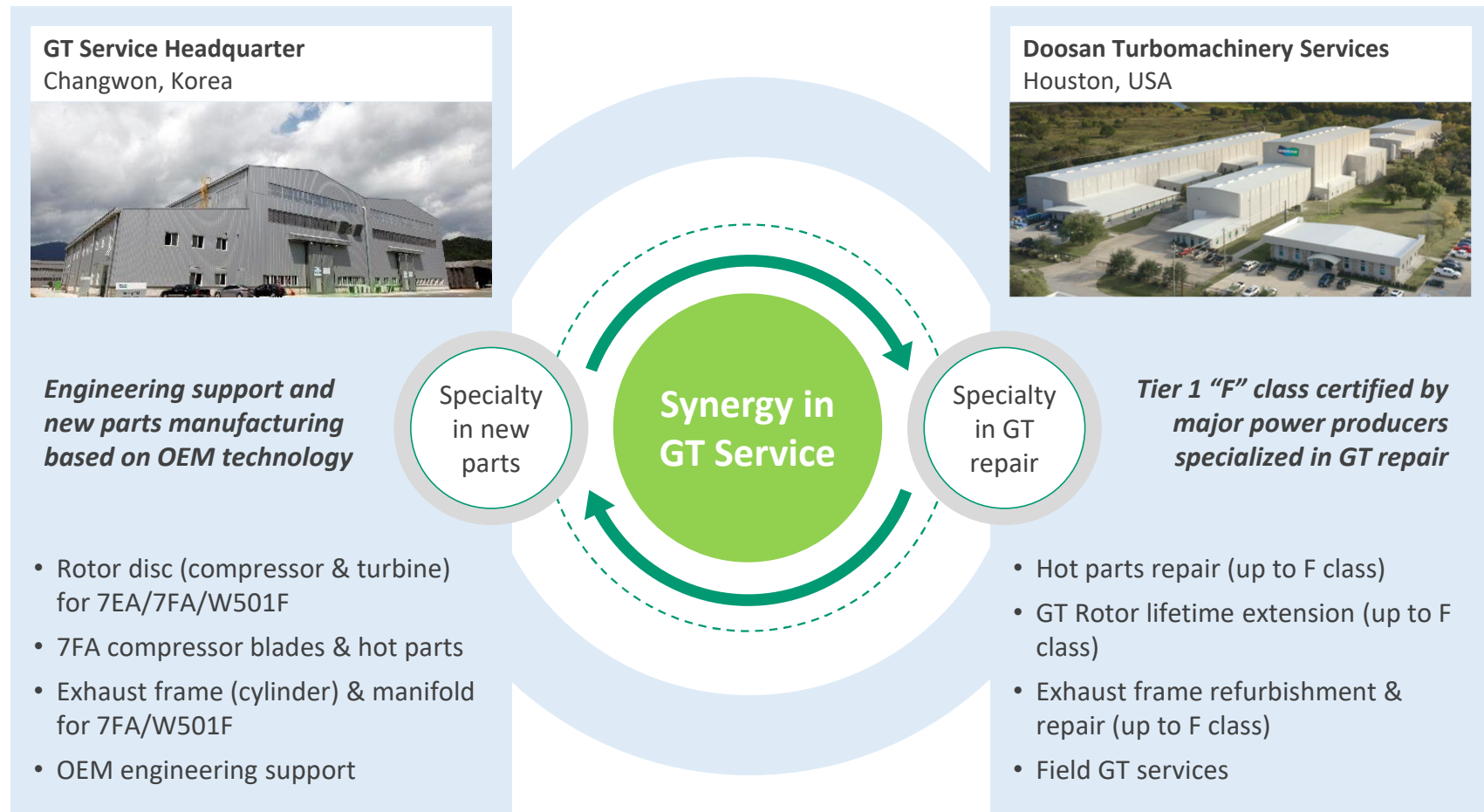


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Introduction to Doosan Hydrogen Gas Turbine

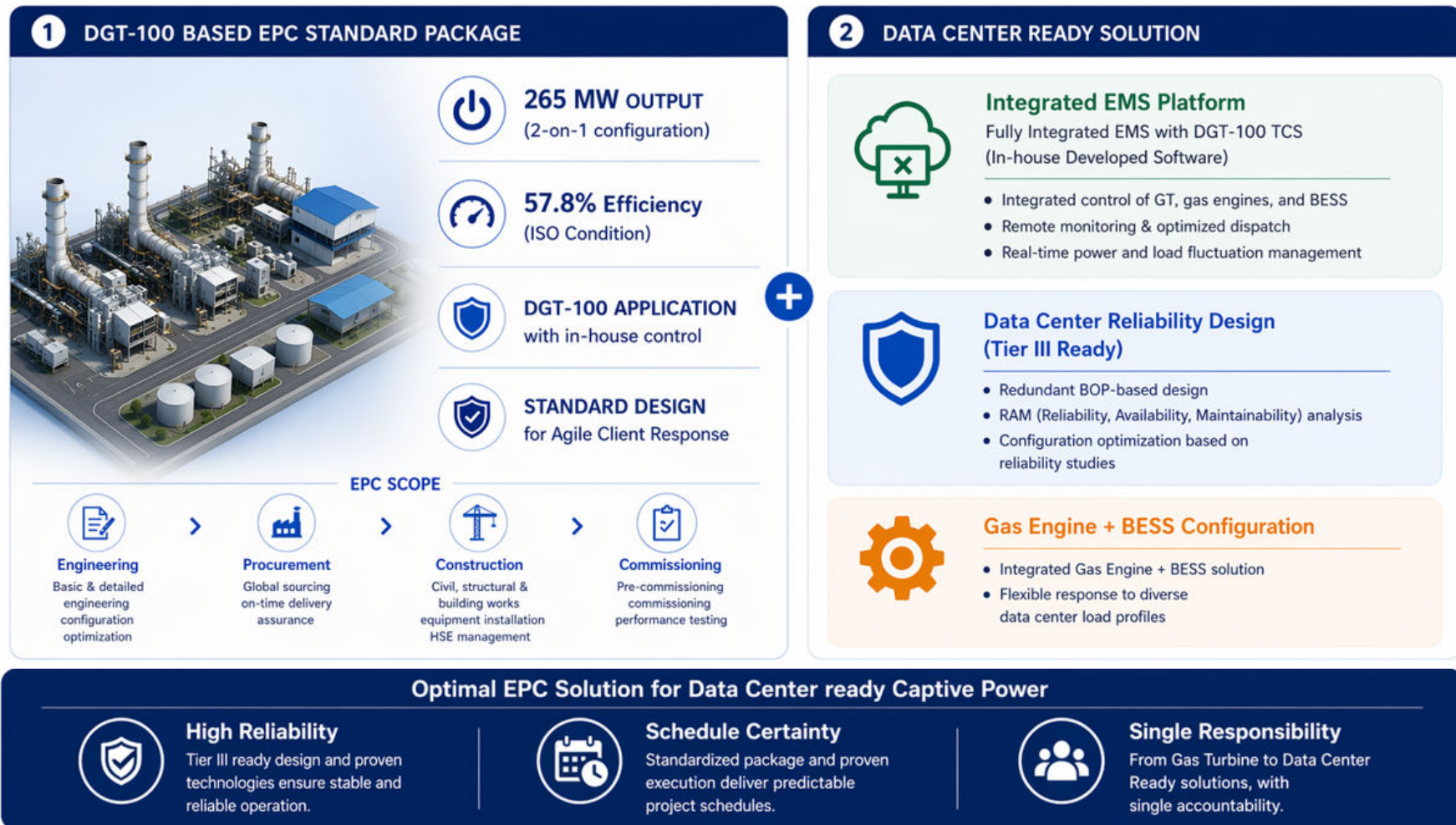
Gas Turbine

Experienced expertise in gas turbine services



DGT-100 EPC PACKAGE* + DATA CENTER-READY SOLUTIONS

Gas Turbine



* Development in Progress, Target to Finalized by 3Q of '26

Nuclear power plan in Kazakhstan

Nuclear Power

20 April 2026

Kazakhstan Plans to Build at Least Three Nuclear Power Plants by 2050

Kazakhstan names first nuclear power plant 'Balkhash'

17 Nov 2025 17:22

Kazakhstan Begins Construction of First Nuclear Power Plant

By Vusala Abbasova August 9, 2025

🔖 🖨️ 📱 🐦 📧



Global Experience in Nuclear power

Nuclear Power

Barakah NPP, U.A.E.



- The UAE's First NPP covers 25% of national Electricity
- Successful experience of 'On-time, On-Budget' completion on First Global project with APR 1400

Dukovany 5 & 6, Czech



- First Korean NPP in EU (APR 1000)
- Successful winning by 'On-time, On-Budget' track record

Global Experience in Nuclear power

Nuclear Power

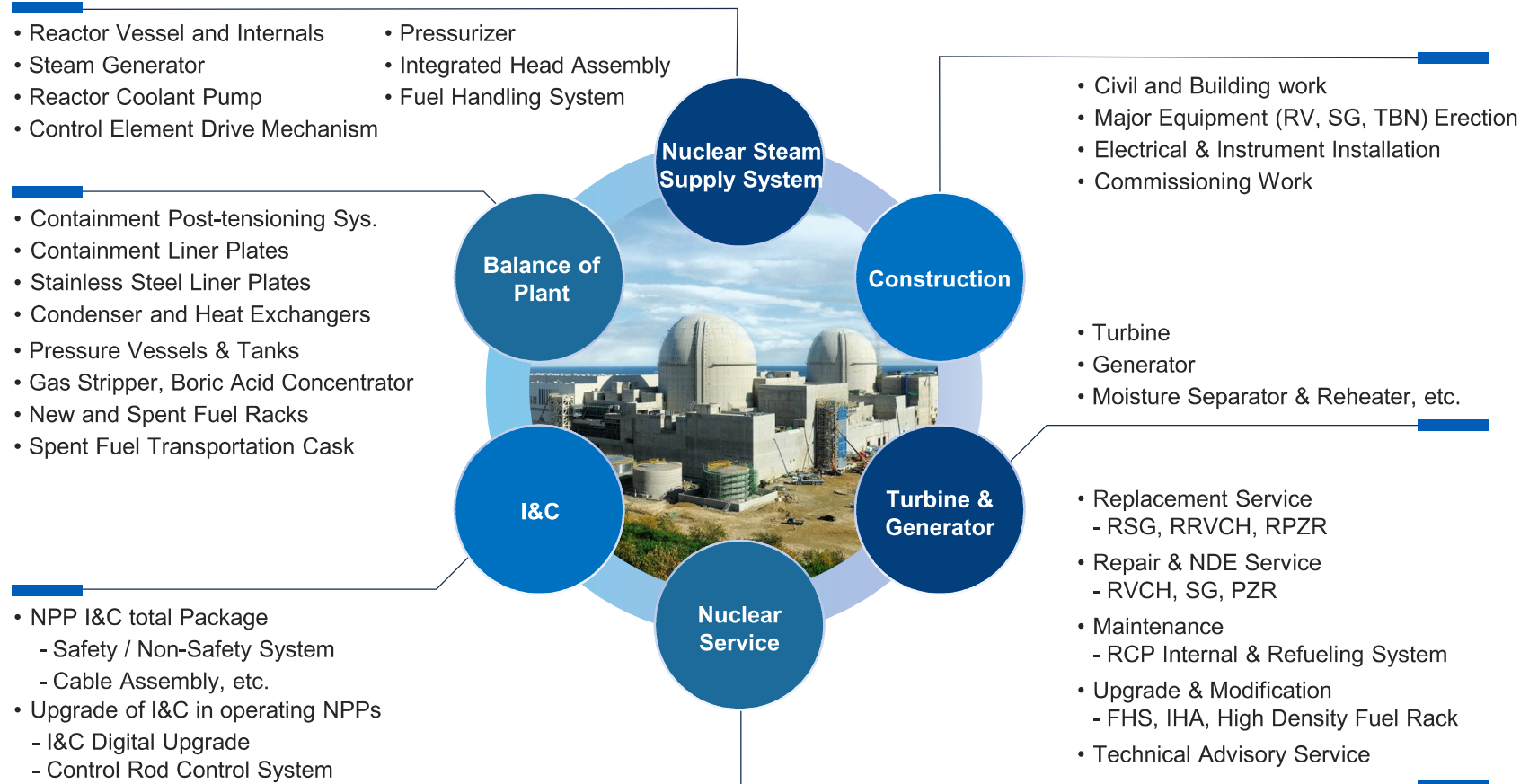
34 RVs & 124 SGs Manufactured and Supplied by Doosan



* Including Steam Generators for Replacement

Introduction to Nuclear power Products and Services

Nuclear Power



Introduction to Nuclear power Products and Services

Nuclear Power

Integrated Manufacturing System



SMR Manufacturing Capability

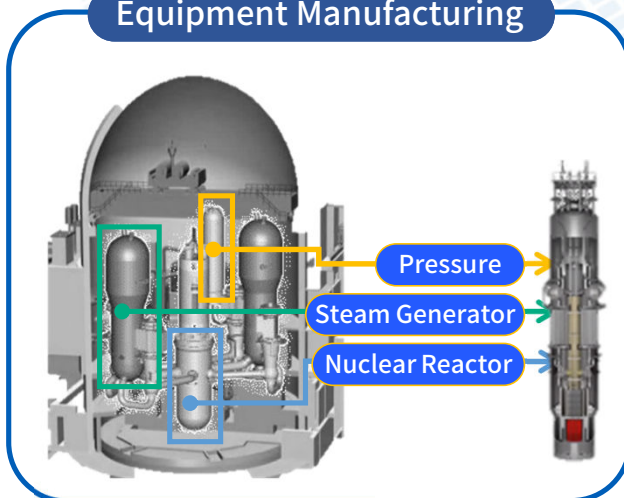
Nuclear Power

Global No.1 SMR Foundry

Raw Material Fabrication

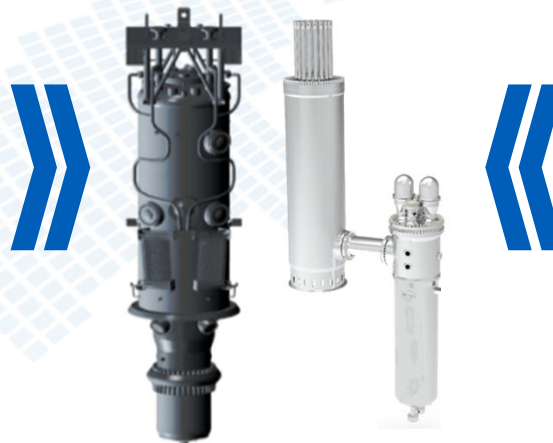


Equipment Manufacturing



DOOSAN

Global No.1 SMR Foundry with proven technologies, capabilities and references

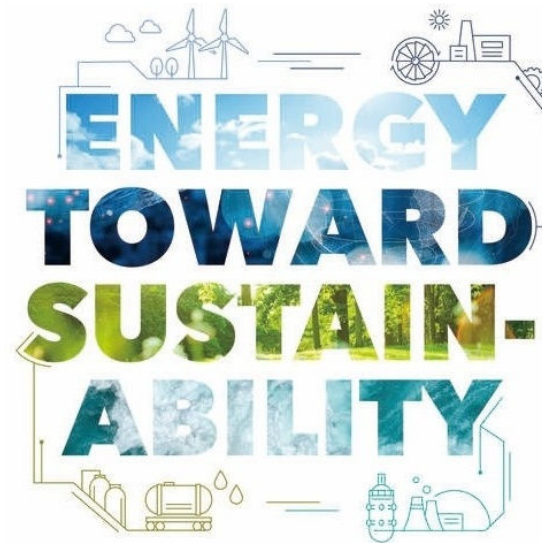


SMR Fabless companies



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