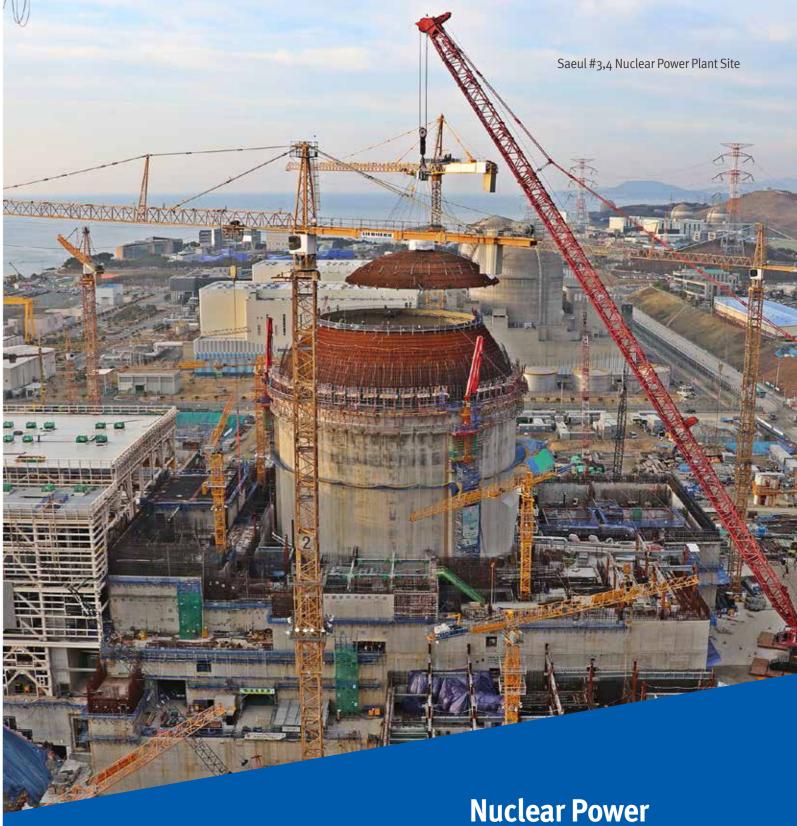




Doosan Enerbility

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Plant Construction

Energy toward Sustainability **Doosan Enerbility**

Your Most Trusted Partner!

History & Vision

Nuclear Power Plant Footprints

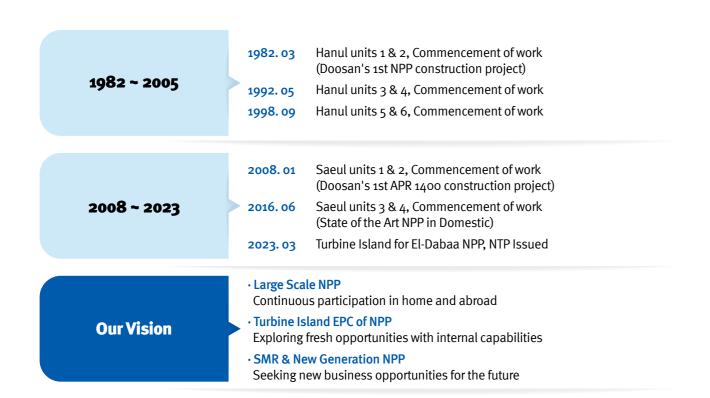
Doosan began its history of large-scale nuclear power plant(NPP) construction in 1982 with Hanul units 1 & 2. Since then, we have completed the construction of Hanul units 3, 4, 5, and 6 successfully. In 2008, we started the construction of Saeul units 1 & 2(previously known as Shin-Kori units 3 & 4) and completed in 2018. Therefore, we delivered a total of 8 nuclear power plant units in domestic. (Total of 8,700MW)

Doosan has profound experience in the entire process of nuclear power plant construction which range from civil engineering foundation work to architecture, mechanical installation, piping, electrical & instrumentation and commissioning support. We also have experience of various types of nuclear reactors operating around the world such as FRAMATOME, OPR 1000, and APR 1400. All these experiences are our strong point of NPP construction capability, and we are proud of this fact.

Doosan is currently executing the construction of Saeul units 3 & 4(previously known as Shin-Kori units 5 & 6), to which the latest safety technology is applied, and we are doing our best to successfully complete and provide maximum customer satisfaction based on quality & safety control while also including cost management.

Doosan has accumulated extensive know-how as a specialist in nuclear power plant construction over the past 40 years. As a result, we recently obtained an order for the construction of Turbine Island for a NPP in Egypt.

Based on expansive experience and exceptional achievements, we are continuously participating in new large-scale NPP projects at home and abroad. We are utilizing our global No. 1 power plant EPC business capabilities to discover fresh opportunities in Nuclear Turbine Island EPC projects and are planning to participate in the next-generation Nuclear Power, SMR(Small Modular Reactor) projects.

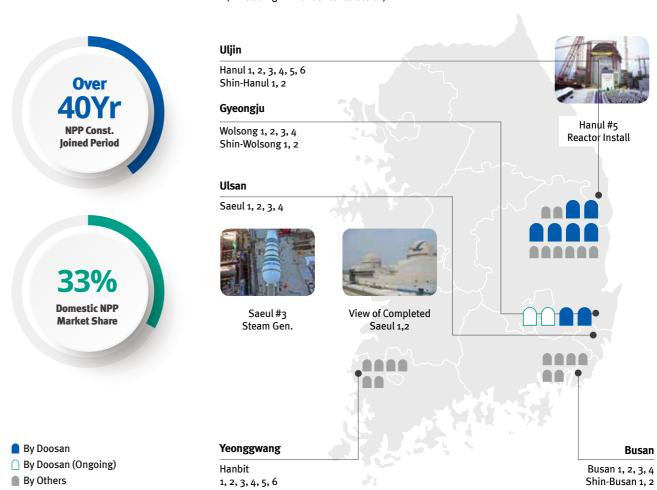


Domestic Track Record

Status of Overall NPP in Domestic

- · Total Number of NPP in Domestic : 30 Units*
- · Total Number of NPP by Doosan : 10 Units*

(* Including NPP under construction)



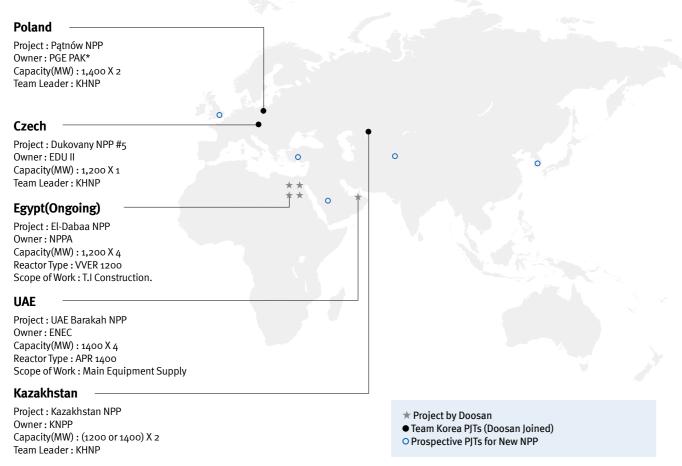
Track Record of Doosan NPP

Project Name	Capacity (MW)	Reactor Type	Scope of Work	Construction Period
Hanul #1, 2	950 X 2	FRAMATOME	Main Equipment, E&I	1982.3 ~ 1989.9
Hanul #3, 4	1,000 X 2	OPR 1000	Main Equipment, E&I	1992.5 ~ 1999.12
Hanul #5, 6	1,000 X 2	OPR 1000	All Construction	1998.9 ~ 2005.5
Saeul #1, 2	1,400 X 2	APR 1400	All Construction	2008.1 ~ 2018.9
Saeul #3, 4 (Ongoing)	1,400 X 2	APR 1400	All Construction	2016.6 ~ 2025.10

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Promotion Project

Expected Orders for New NPP Worldwide



* SPV of PGE(Polska Grupa Energetyczna) and ZE PAK

Expanding Doosan's NPP Construction

Based on more than 40 years of experience in domestic NPP construction, Doosan became the first Korean company that won an opportunity to join the construction of a new NPP on the African continent in 2023.

Currently, we are actively working on the acquisition of additional overseas NPP orders. For example, our company has been selected as the construction partner of Team Korea for a new project in Czech / Poland / Kazakhstan.

In particular, in order to win the project for the NPP in the Czech Republic, we are investing our maximum capabilities, such as dispatching manpower for Team Korea work and strengthening local networking by holding a Korea-Czech Nuclear Construction Forum in 2019.

In efforts to win the NPP project in Poland, we participated in the APR 1400 symposium to show NPP construction capabilities of Korea and conducted pre-interviews with local companies to establish cooperative relationship in advance. Currently, we are performing a F/S(Feasibility Study) to provide further support for owners.

In addition, we are closely monitoring the status of orders for new NPPs in the UK, Uzbekistan, Turkey, Saudi Arabia, and Shin-Hanul Units 3 and 4 in Korea and will actively work for additional contracts.

Details of On-going Projects

Saeul NPP Units 3 & 4

Site Photo View & PJT Summary

Project Name	Saeul #3, 4	
Owner	KHNP (Korea Hydro & Nuclear Power)	
Site Place	Seosaeng-myeon, Ulju-gun, Ulsan Metropolitan City	
Reactor Type	APR 1400 (PWR)	
Capacity(MW)	1,400 X 2	



The meaning of Saeul Units 3 & 4

Doosan won the Saeul units 3 & 4 in 2016 and the project is currently in the final stages of construction.

Saeul units 3 & 4 are the 9th and 10th APR 1400 following Saeul units 1 & 2, UAE Barakah units 1, 2, 3, 4 and Shin-hanul units 1 & 2.

In particular, Saeul units 3 & 4 are state-of-the-art NPP, where numerous safety related technological improvements, which have been developed by prior NPP experiences in Korea, abroad, and Fukushima nuclear accident, are reflected in their design.

For the successful completion of such state-of- the-art NPP, our construction engineers are doing their best to complete the project with top priority on quality, safety, schedule, and cost management.

El-Dabaa NPP

Site Bird's Eye View & PJT Summary

Project Name	The El-Dabaa NPP	
Owner	NPPA (Nuclear Power Plant Authority)	
Site Place	El-Dabaa (300km from Cairo)	
Reactor Type	VVER 1200 (PWR)	
Capacity(MW)	1,200 X 4	
Scope of Work	Turbine Island Construction.	



The meaning of El-Dabaa NPP

The El-Dabaa NPP is Doosan's first overseas NPP construction project. Doosan is the first Korean company to win a large-scale NPP construction project in the last 13 years after the Barakah NPP, and the El-Dabaa NPP is the first case of entering the African continent.

The El-Dabaa NPP is the first project to be built in Egypt. 4 units of WER 1200 reactors from Rosatom of Russia will be supplied. Rosatom has been performing multiple projects in multiple locations. And Rosatom was searching a company which is well organized and experienced for a NPP project work.

Rosatom has been finding that Doosan is excellent in NPP construction scheduling and cost management, the final decision was made on cooperation for this project after elongated negotiations.

For Doosan, the El-Dabaa NPP is the perfect opportunity to showcase our ability as an independent leading company. We will do our best to show that Doosan is the best partner for success by achieving quality, safety, on-time delivery, cost management, and much more.

Your Most Trusted Partner! 6/7

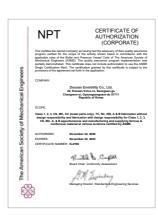
Quality Management for NPP Construction

Doosan has secured world-class engineering, construction, and manufacturing capabilities through continuous quality innovation activities, all the while maximizing customer satisfaction based on the quality of NPP construction.

ASME







ISO









KEPIC



Our Vision for the Future

Turbine Island EPC for NPP

Doosan has been engaging in power generation business EPC works for more than 60 years with internal capabilities. Doosan seeks opportunities to pioneer a new market with clients in Nuclear Turbine Island EPC field.

Total Solution Provider

More than 60 Turbine Island EPC Track Record

50Hz 6oHz



Kazakhstan

Karahatan CCPP 310MW(GT2+ST1) Turkistan CCGT 1,050MW(GT4+ST2)

Qatar

Oatalum CCPP 1,250MW(GT4+ST2)

Jordan Rehab

CCPP 300MW

UAE

Taweelah A10 COGEN 216MW(GT2) Jebel Ali M CCPP 2,000MW(GT6+ST3)

Amman East Power CCPP 370MW

Pakistan Daharki

CCPP 177MW(GT1+ST1)

Oman

IWPP 640MW + RO

Sohar

TPP 1,000MW X 2 Unit

Jawa 9&10

Barka Phase 2 IWPP 685MW + RO

Mundra UMPP TPP 800MW X 5 Units Raipur Chhattisgarh

TPP 685MW X 2 Units TPP 800MW X 3 Units

TPP 800MW X 2 Units

Obra C TPP 66oMW X 2 Units Jawaharpur TPP 66oMW X 2 Units

Indonesia Cirebon

TPP 66oMW X 1 Unit Grati #2 Add-on CCPP 150MW(HRSG3 + ST1) Muara Tawar #2,3&4 Add-on CCPP 650MW(HRSG8 + ST3)

Thailand Gheco-One

TPP 66oMW X 1 Unit

Mong Duong Phase 2

TPP 560MW X 2 Units Nghi Son 2 TPP 665MW X 2 Units Vinh Tan 4 TPP 600MW X 2 Units Vinh Tan 4 Extension TPP 600MW X 1 Unit Song Hau 1 TPP 600MW X 2 Units Van Phong 1 TPP 660MW X 2 Units Vung Ang2 TPP 600MW X 2 Units

Saudi arabia

Rabigh Power Plant 2 TPP 700MW X 4 Units Qurayyah Add-on CCPP 1,238MW(HRSG15+ST5) Fadhili CCPP 1,519MW(GT5+ST2)

COGEN 320MW(GT1+ST1)

Sodegaura

Biomass 75MW South korea

Saemangeum CFB TPP 151.5MW X 2 Units

Hwasung Dongtan 2 CCPP 400MW X 2 Units Samcheok TPP 1,050MW X 2 Units

Taiwan Hsinta

TPP 500MW X 2 Units **Philippines** Cebu CFB

TPP 103MW X 2 Units GUAM

Ukudu CCPP 198MW(GT3+ST1)

SMR (Small Modular Reactor)

With the goal of achieving carbon neutrality by 2050, it is expected that the SMR market, which is excellent in safety, economy, and usability, will expand as a key means for the transition to carbon-free energy. Doosan is actively preparing and participating the construction sector as well as supplying main equipment of SMR on belief that it is the main energy transition business of our company.