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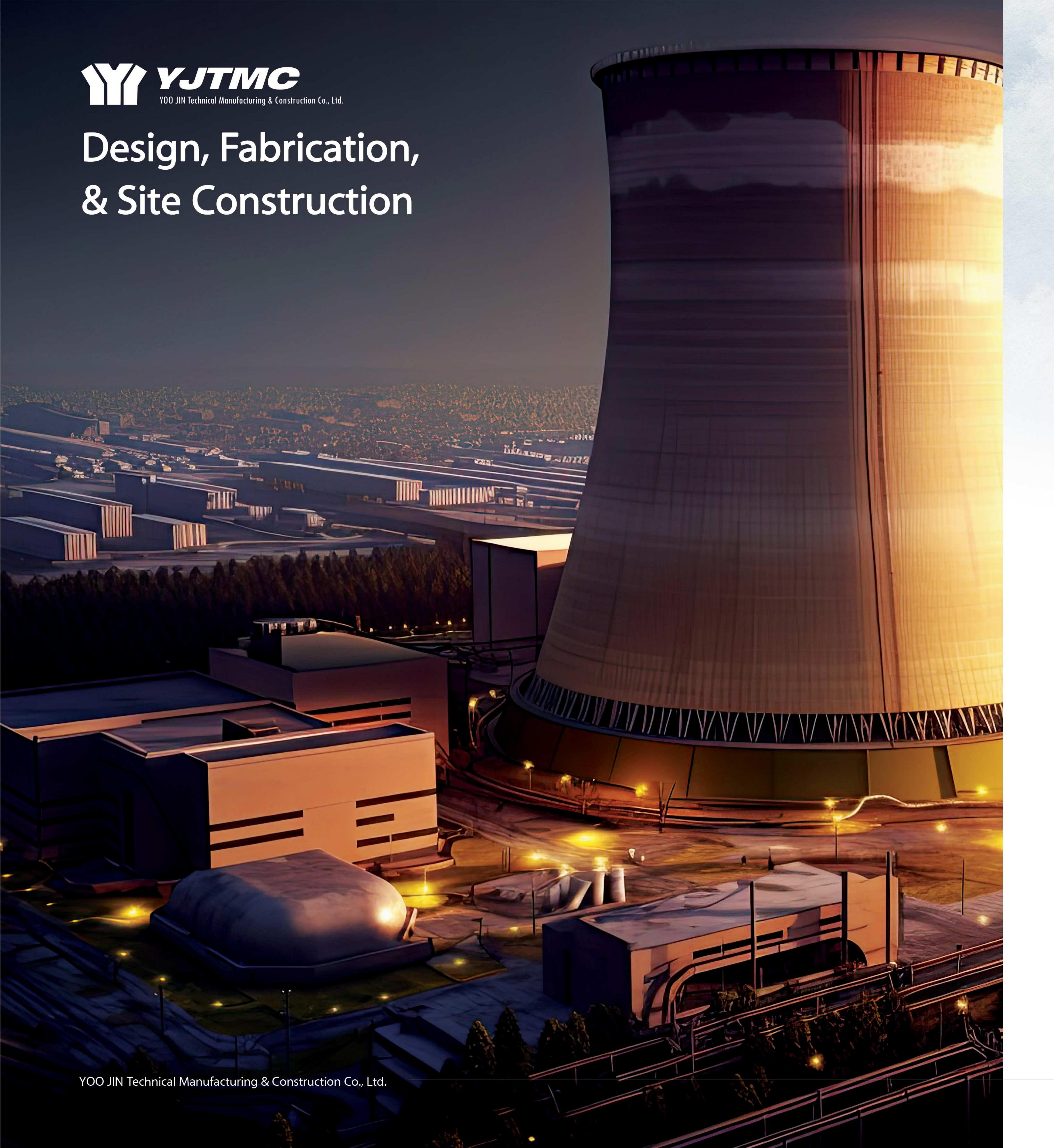
YOO JIN Technical Manufacturing & Construction Co., Ltd.



Journey of Overcoming Challenges in Technical Innovation

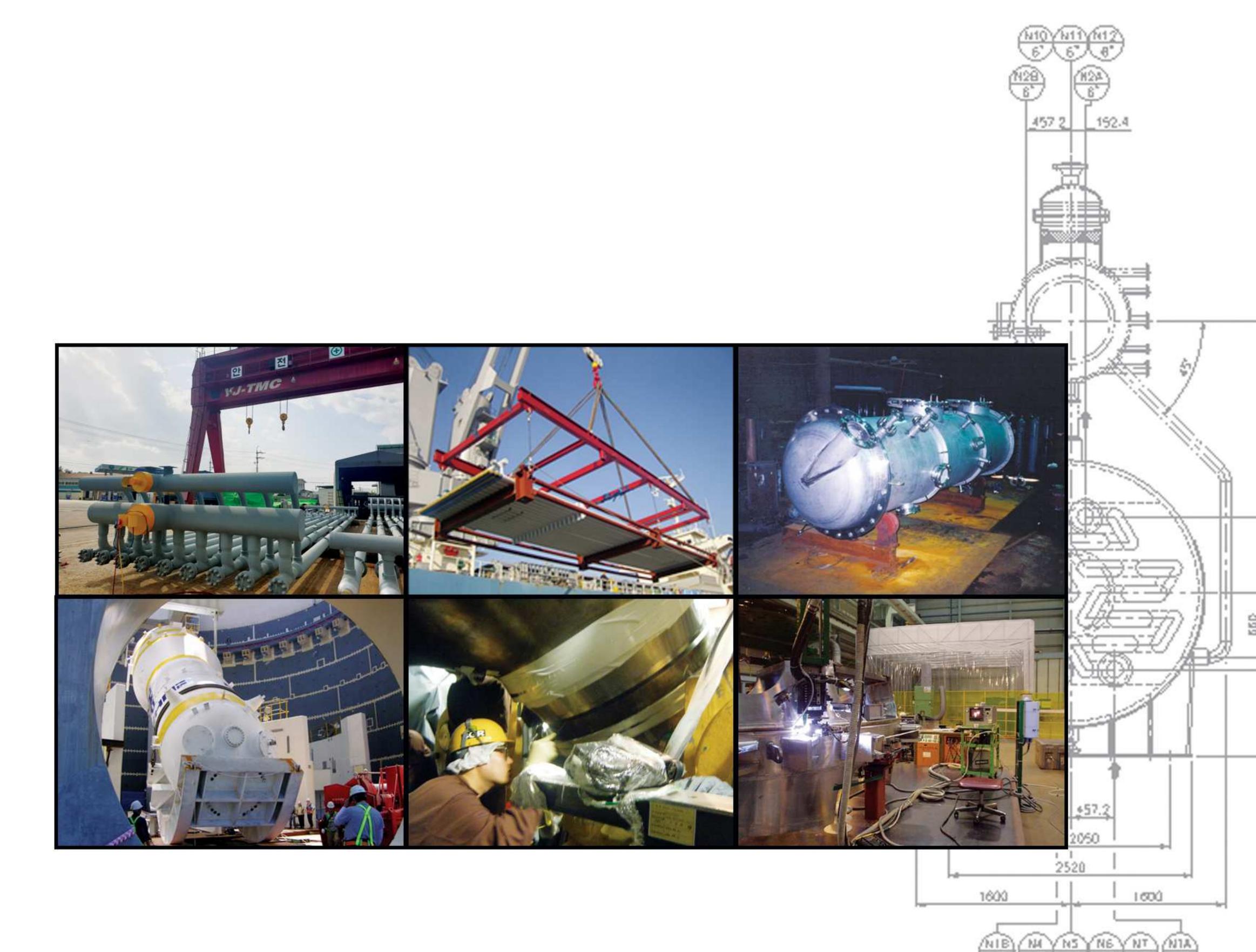
Site Construction

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& Site Construction	





YOO JIN Technical Manufacturing & Construction Co., Ltd (YJTMC) is committed to promoting sustainability across all aspects of our operations, including our supply chain.

Our sustainability policy aims to ensure that we operate our business in an environmentally, socially, and economically responsible manner. We recognize the importance of sustainability in meeting the needs of the present without compromising the ability of future generations to meet their own needs.

To achieve this, we take several actions:

We comply with relevant environmental laws and regulations, and strive to go beyond compliance to reduce our environmental impact. We aim to reduce our carbon footprint by implementing energy-efficient practices in our operations. We seek to minimize waste by implementing waste reduction measures, recycling programs, and responsible waste disposal practices. We prioritize the health and safety of our employees, contractors, and visitors by implementing robust safety programs and training. We strive to maintain fair and ethical business practices across our operations, including our supply chain.

In our supply chain, we work with our suppliers to ensure that they share our commitment to sustainability. We seek out suppliers who operate in an environmentally and socially responsible manner, and we collaborate with them to identify opportunities to reduce our environmental impact and improve our sustainability performance.

We also engage with our clients and suppliers on issues such as human rights, labor practices, and ethical business conduct. We expect our suppliers to comply with all applicable laws and regulations, and to operate their business in a manner that is consistent with our sustainability policy.

Overall, our sustainability policy reflects our commitment to responsible business practices that benefit our stakeholders and the communities in which we operate.

O General Information

Company Name. YOO JIN Technical Manufacturing & Construction Co., Ltd. (YOO JIN TMC / YJTMC)

Established. October 16th, 2000

Address. Head Office & No.1 Factory

572, Daebeop-Ro, Daesan-Myeon, Haman-gun, Gyeongsangnam-Do, 52012, South KOREA

No.2 Factory

573-13, Daebeop-Ro, Daesan-Myeon, Haman-Gun, Gyeongsangnam-Do, 52012, South KOREA

Web Site/Business Email.

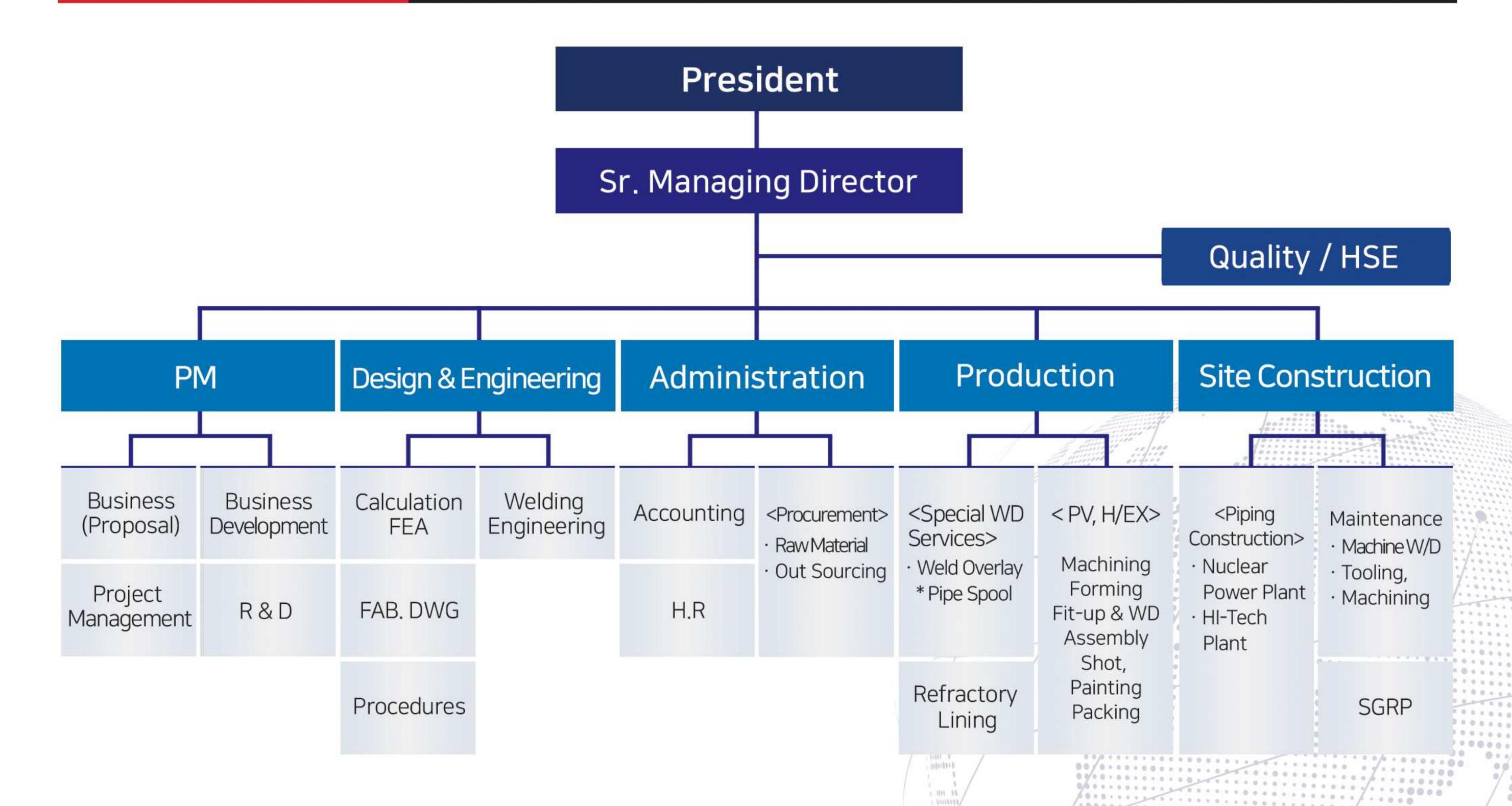
https://www.yj-tmc.com biz@yj-tmc.com

Business.

Industry: Fabrication & Construction for Petrochemical Plant, Nuclear Power Plant, Oil & Gas Plant, and Hi-Tech Plant **Fabrication Equipment**: Pressure Equipment(Static), Piping Spool, Clad Items & Special Equipment.

Field of Construction: Piping Construction & Maintenance Project

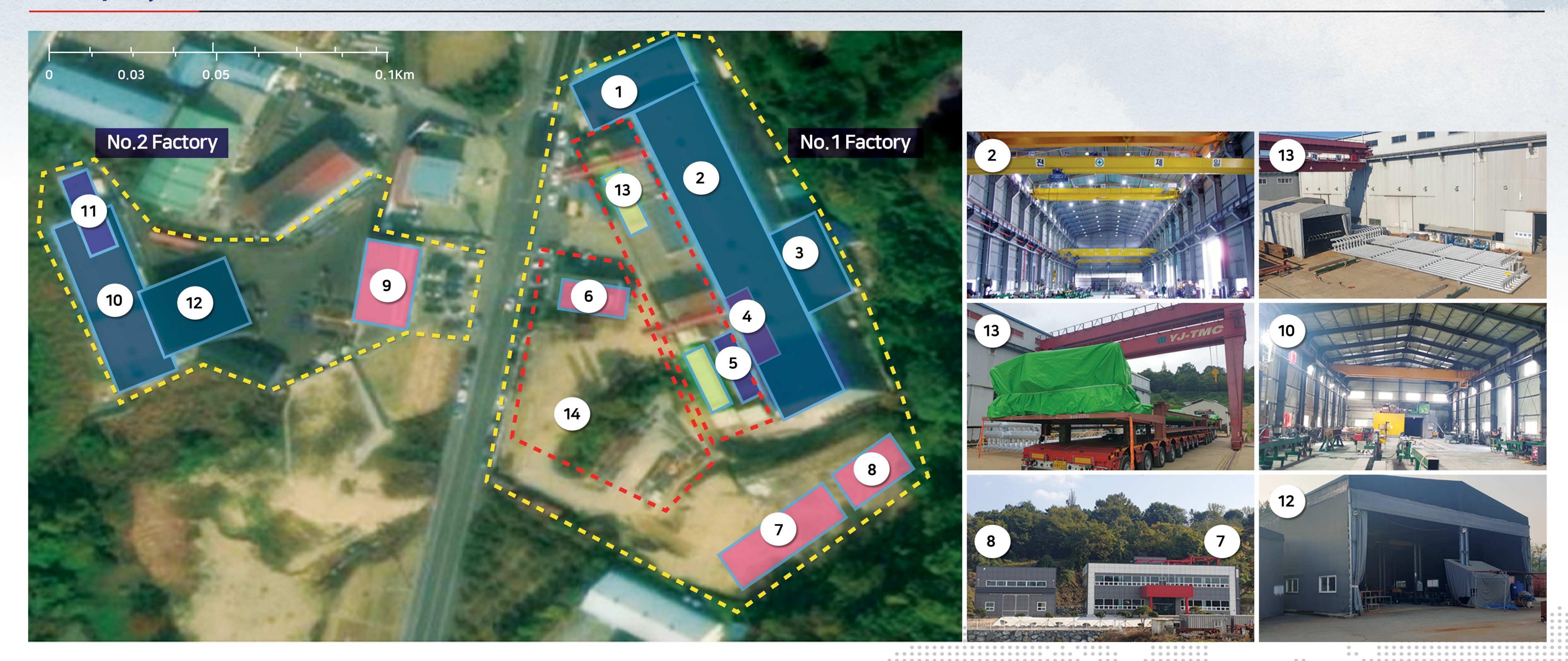
O Organization





About YJTMC

O Shop Layout



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- 01. Machining shop
- 02. Main Fabrication shop
- 03. Part Fabrication shop
- 04. RT Room (No.1)
- 05. RT Room (No.2) & Pressure Test Room
- 06. Old Office(to be removed)
- 07. New Head Office

- 08. R&D Shop / Test Room
- 09. Restaurant and Customer Inspector's Office
- 10. Fabrication Shop
- 11. RT Room (No.3)
- 12. Fabrication Shop
- 13. Yard under Gantry Cranes
- 14. Raw material storage and Future Shop Area

YOO JIN Technical Manufacturing & Construction Co., Ltd.

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BUSINESS

O Business Area

Fabrication of Equipment

- Double Pipe Heat Exchanger
- Clad Pipe & Fittings
- Shop Pipe Spool

- Shell & Tube Heat Exchanger
- Pressure Vessel









Site Construction

- Nuclear Power Plant
- · Reactor Coolant Loop
- · Secondary Piping
- Maintenance Project for NPP
- · SGR Project
- · Weld Overlay

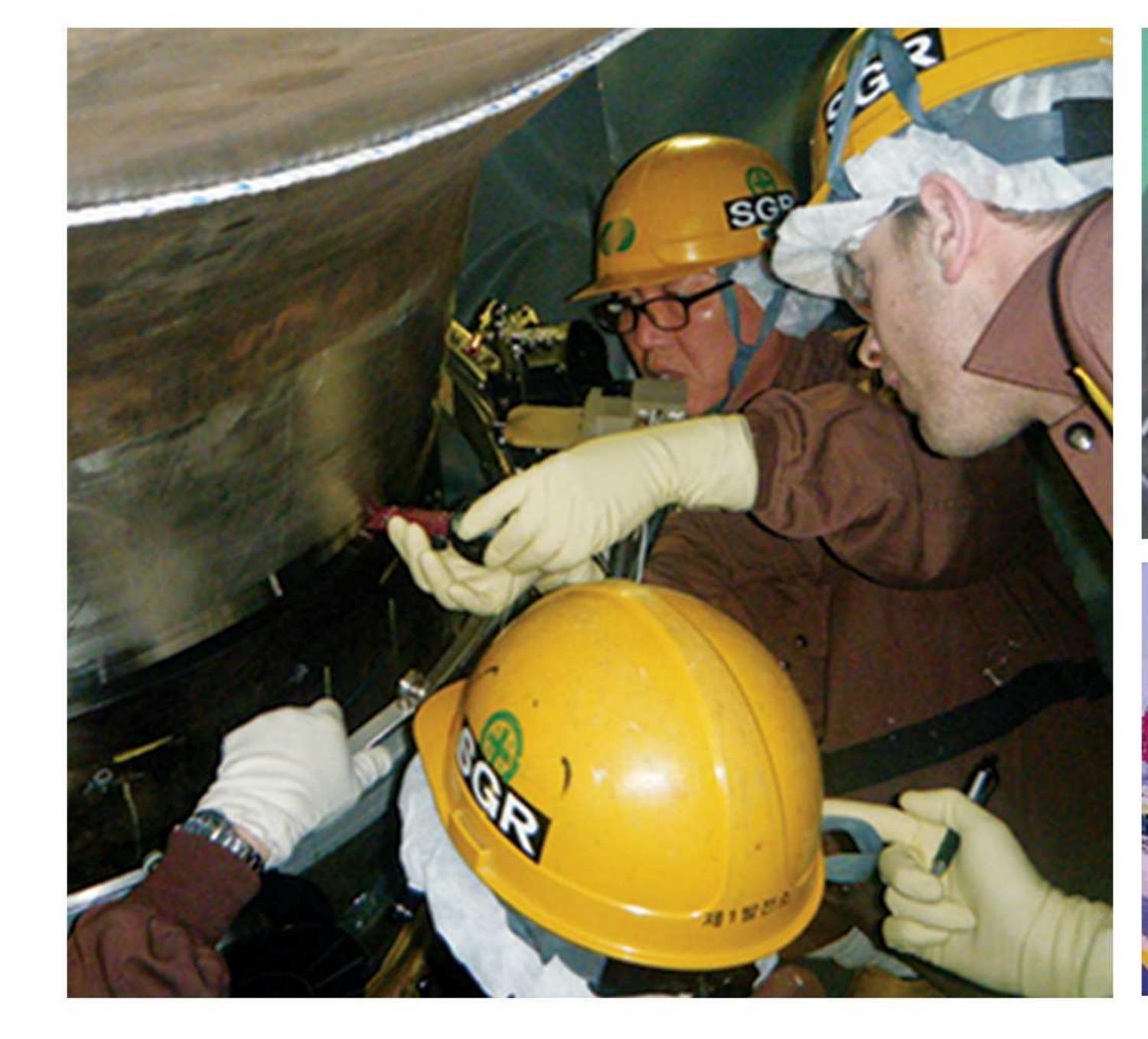
- Hi-Tech Plant
- · Large Bore Piping

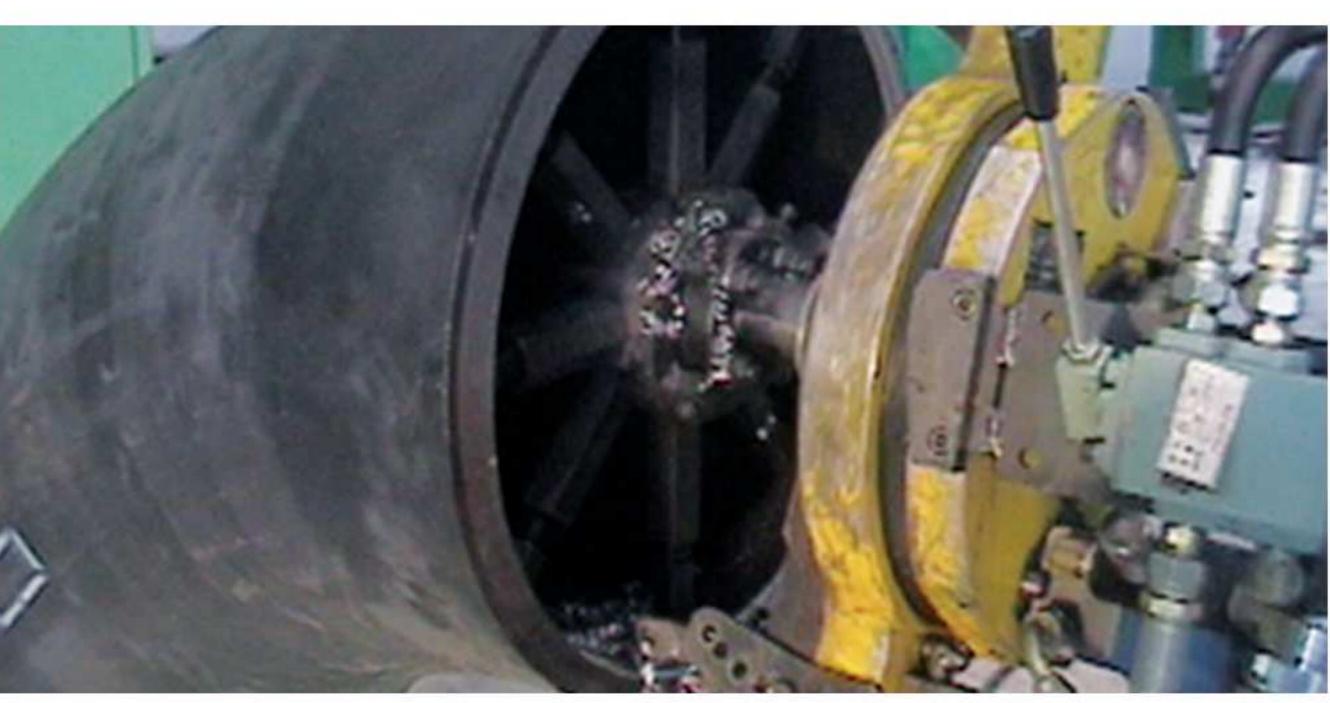




Welding & Machining Services

- Tooling & Machining Service
- Machine GTAW NGW for R&D











Features of Fabrication & Site Construction

Pioneering Achievements

Pioneering Achievements in Fabrication & Construction.

 The First Korean Manufacturer of PQE for Olefins Projects (Licensed by KBR's Proprietary Equipment)



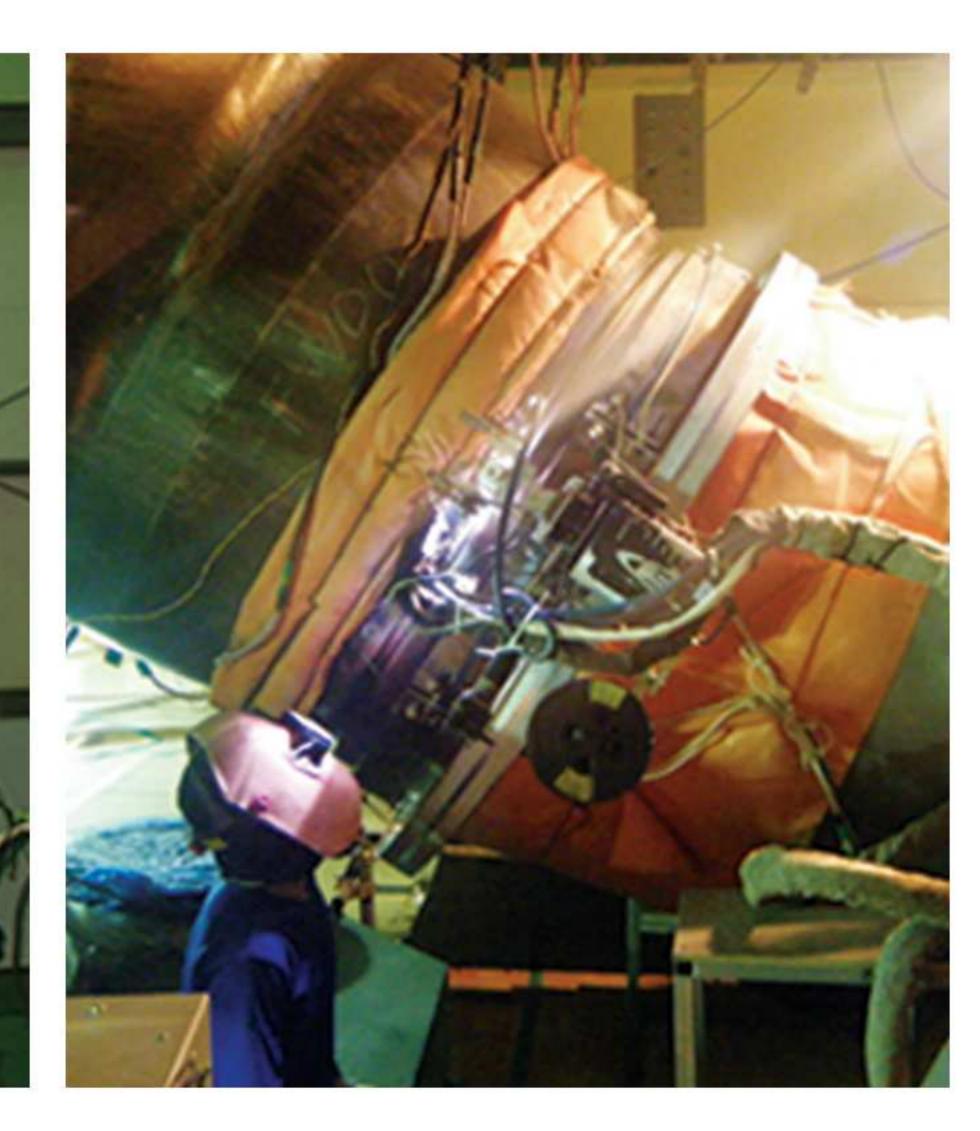


1st PQEs(432PQEs)_ Loading on Ship, in 2003

 Korea's First Provider of Machine GTA Narrow Gap Welding Service for Nuclear Power Plant Construction



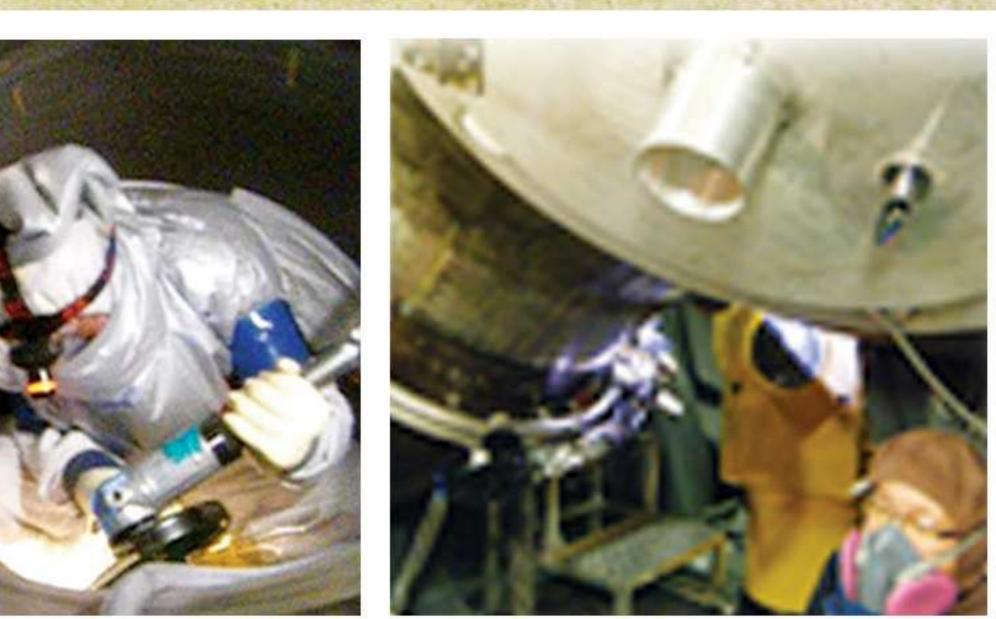




1st Machine GTA Narrow Gap Welding for SKN1,2, SWN1, 2 Pre-LBB TEST, in 2004

 First Korean Provider of Machine GTA Narrow-Gap Welding for Steam Generator Replacement Projects (SGRP) in Korea.







Successful SGR

For the successful participation
In ULCHIN Unit 1&2 Steam
Generator Replacement.
AREVA appreciate the full and
Sincere cooperation from your company
Allowing to achieve the best results
In terms of Safety (0 accident),
Quality (0 defects)
and Schedule (ahead of plan)



 First Provider of Large-Bore Piping Construction Using Machine GTA Welding for High-Tech Plants in Korea.











Features of Fabrication & Site Construction

O Certificates

Certifications for Management System

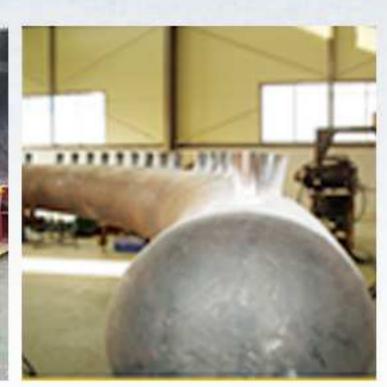


- Scope: Manufacturing of plant facilities (Pressure Vessel, Double pipe H/EX, Piping subassembly, Clad pipes & Clad pipe fittings) and installation of piping and associated work for plant.
- ISO 9001: 2015_ for Quality Management
- ISO 45001: 2018_ for Health & Safety Management
- ISO 14001: 2015_ for Environment Management

Certification for Equipment Quality







- ASME S: Manufacture and assembly of power boilers
- ASME U: Manufacture of pressure vessels
- ASME U2: Manufacture of Class 1 and Class 2 pressure vessels

Shop Registration

provisions of the ASME Boiler and Pressure Vessel Code.

CERTIFICATE NUMBER: 35110

Republic of Korea

 Specified Gas Equipment Manufacturing Shop (KGS Certification)



Certificate of Approval

Construction Co., Ltd.

has been approved by LRGA to the following standard

Approval number(s); 15/0 45/01 = 5068171

The scope of this approval is applicable to:

ISO 45001:2018

Kires Operators Manager Issued by URGA Limited

Yoo Jin Technical Manufacturing &



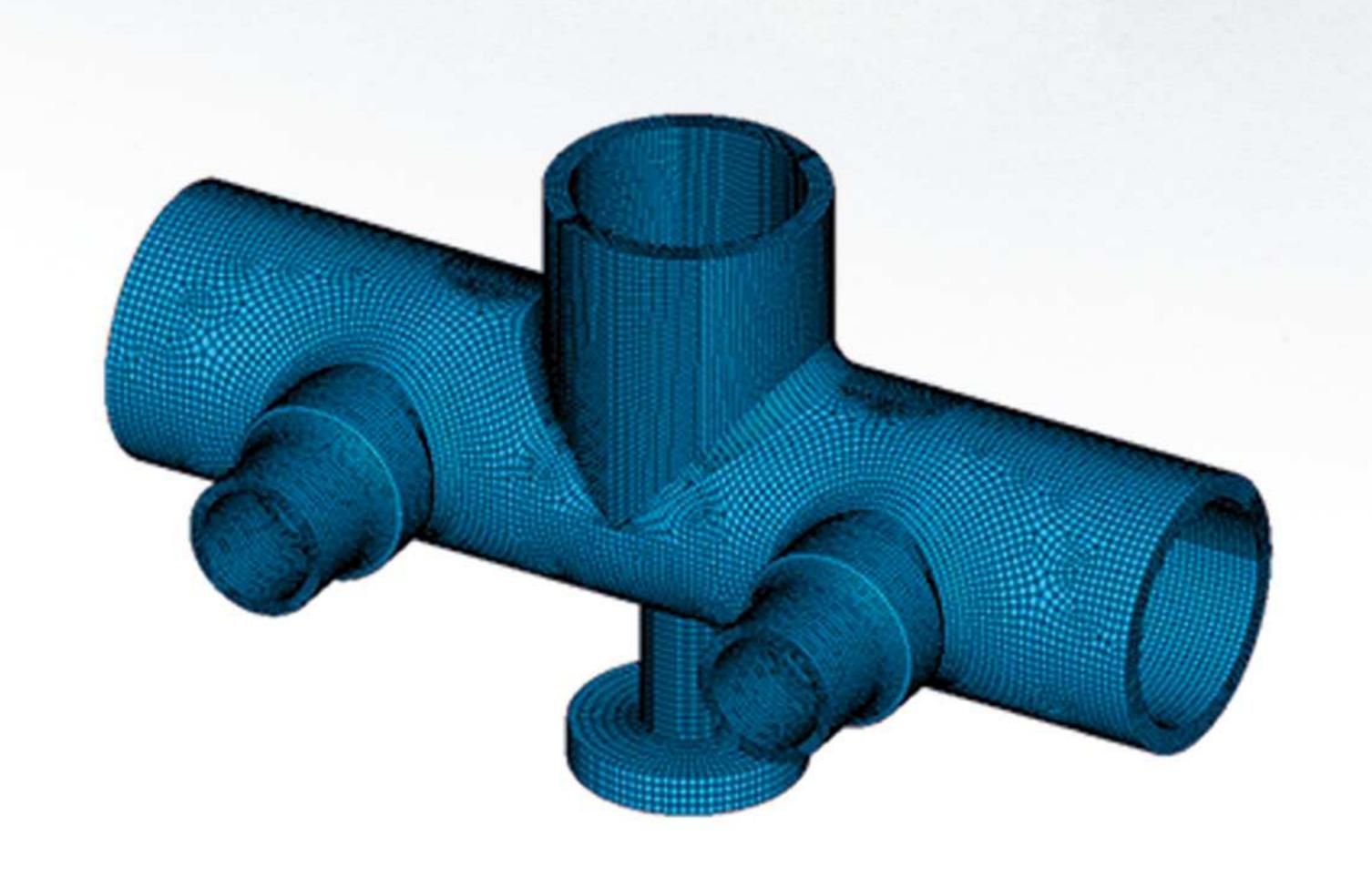


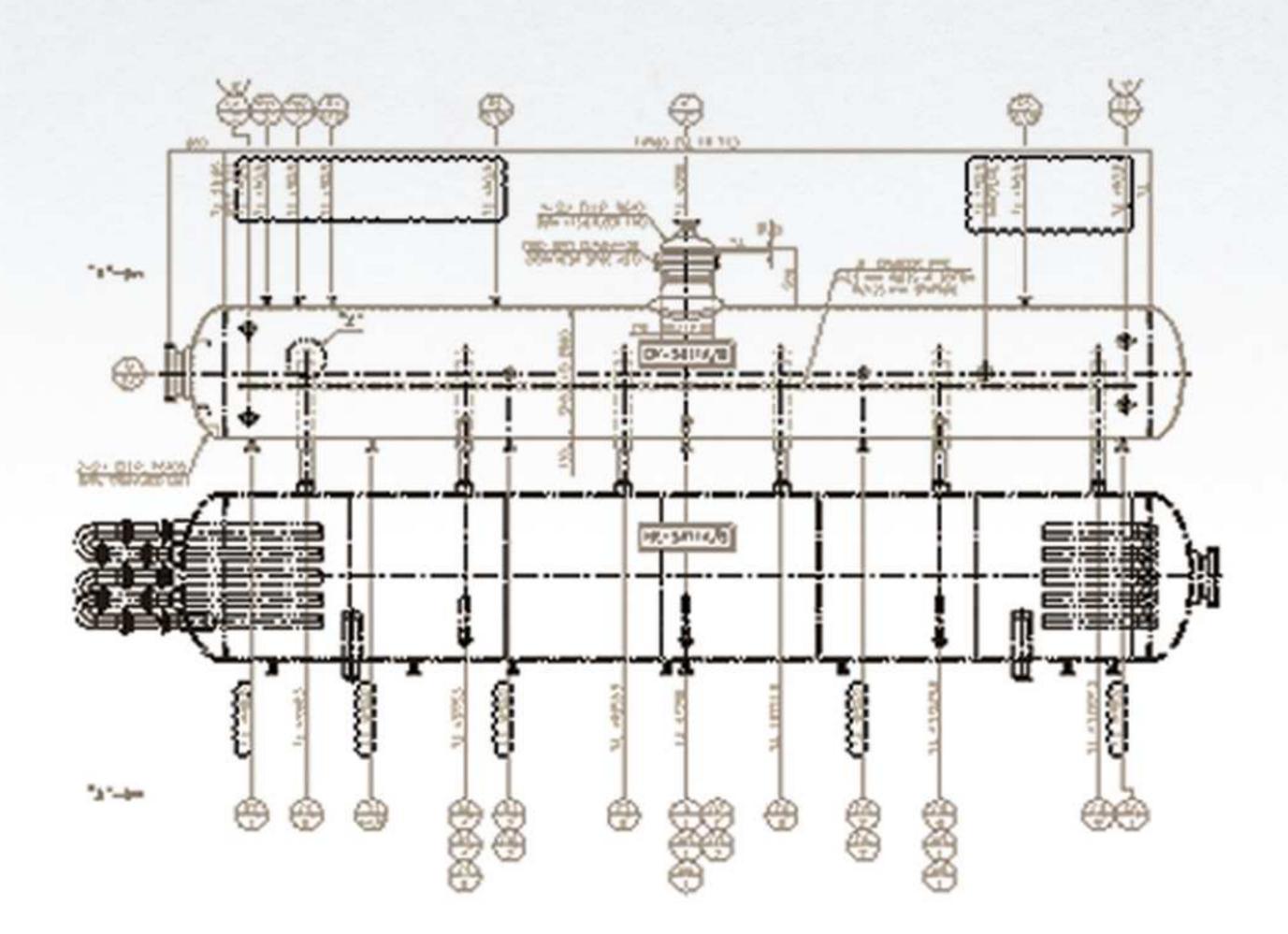




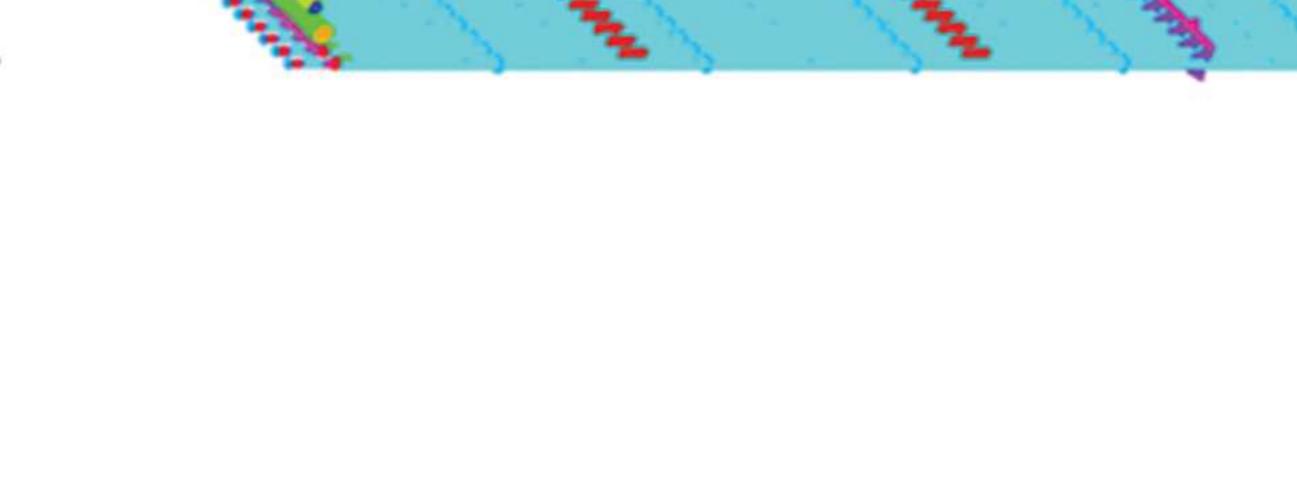
O Design: Static Equipment

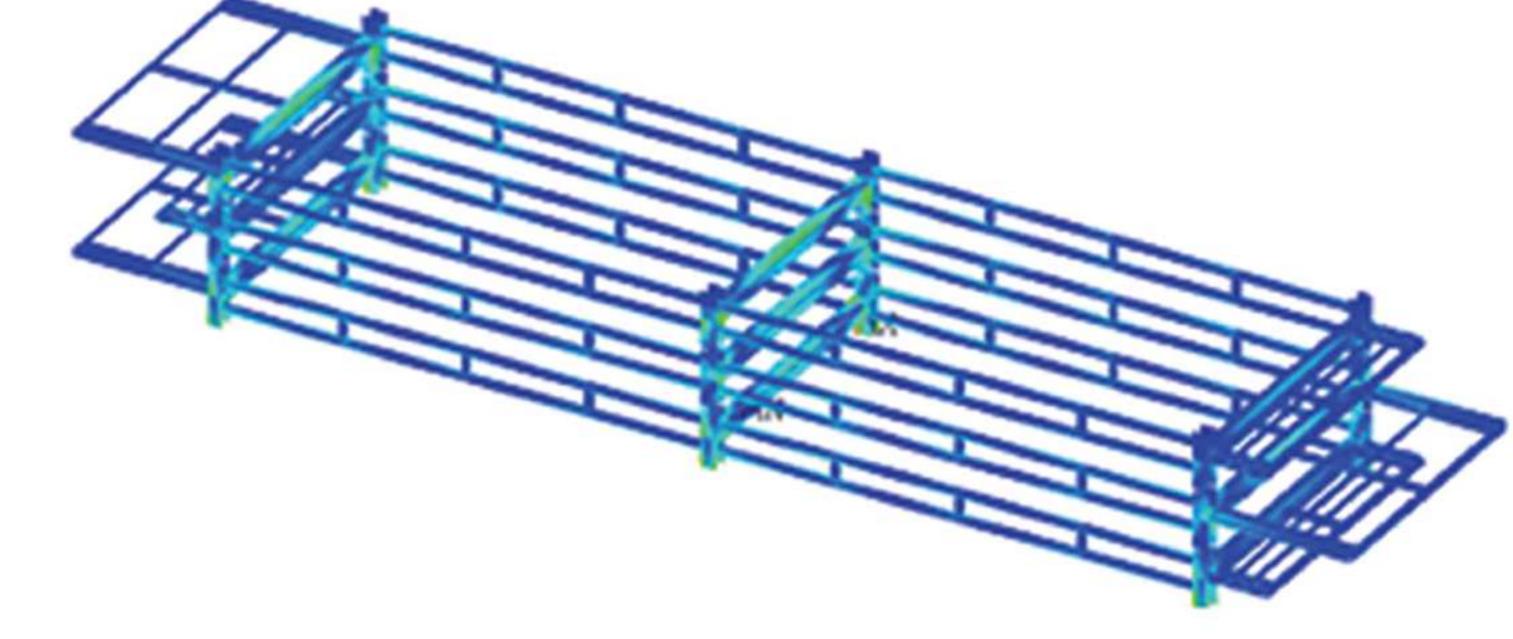
- Various Local Regulations have been applied for Pressure Equipment. KGS, CE/PED 2014/68/EU, etc
- Calculations under ASME Code / Client Standards / KBR Standards / Local Regulations
- FEA_External Nozzle Loads
- Structural Calculation (Wind, Seismic, Snow)
- FEA_Lifting Analysis for Site Installation of Equipment
- FEA_Loading Analysis for Shipping













Features of Fabrication & Site Construction

O Experience Raw Materials

Material Experience

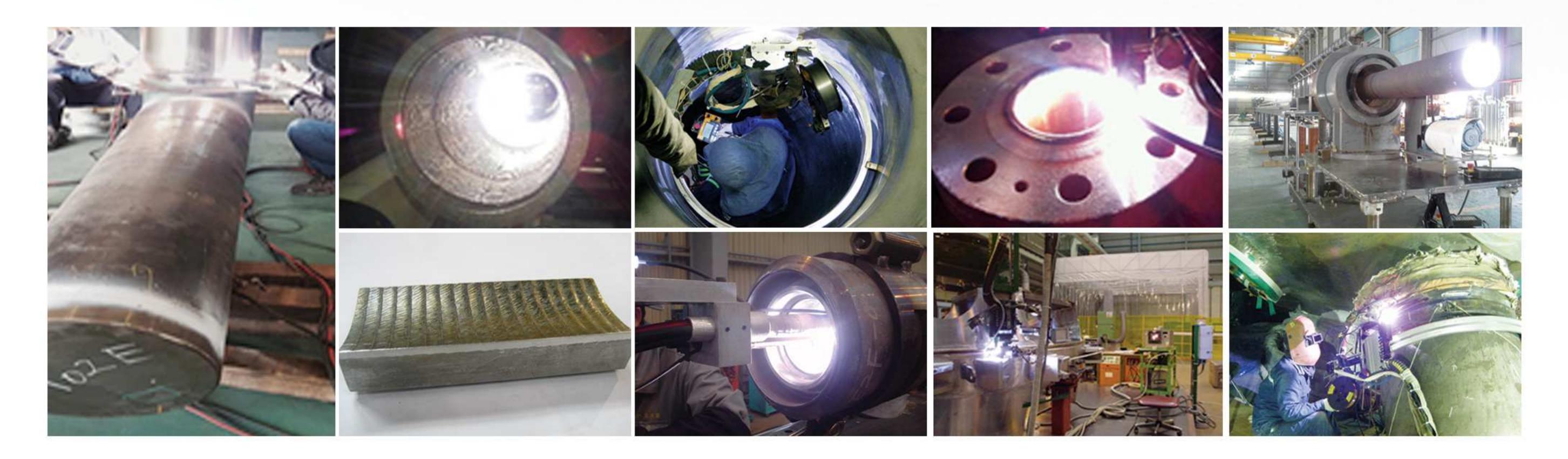
- Base Metal _ Plate, Forging, Pipe & Fitting
- · Carbon Steel: P-No.1
- · Low Alloy Steel: P-No. 3, P-No.4, P-No.5A (0.75Ni-0.5Mo-Cr-V, 1 1/4Cr 0.5Mo, 2 1/4Cr-1Mo)
- · Low Alloy Steel: P-No. 15E (9Cr-1Mo-V: Grade 91)
- · Austenitic Stainless Steel: P-No.8 (Type 304, Type 316), Z2CND18-12 / Z2CN20.09M
- · Austenitic Stainless Steel: P-No. X (HP Modified Nb-Low Carbon_Non-Code Material)
- · Alloy and Non-Ferrous Metal: P-No.43 (Inconel 600_UNS N06600, Inconel 601_N06601)



O Experience Welding Processes/Materials

Material Experience

- Welding Materials for SMAW, SAW, GTAW, Machine GTAW, FCAW, GMAW
- · GTAW(Machine/Manual): ER 70S-2 / ER70S-6 / ER80S-B2 / ER90S-B3 / ER90S-B91 (Wire & Rod) / ER316L
- · GTAW_Cladding (Machine): ERNiCrMo-3 / ERNiCrCoMo-1 / ERNiCu-7 +ERCuNi (Wire) / ER309L & ER308L
- · GTAW_Hard Facing(Machine): ERCCoCr-C(Metal Cored Wire)
- · GTAW(Manual): ER308 / ER309 ERNiCr-3 (Rod)
- · GMAW: ER90S-B3 (Wire)
- · FCAW: E71T-1C-H8 / E71-9M / E81T-1-B2C / E81T-1-B2M-H8 / ENiCrMo3T1-4 (Flux Cored Wire)
- · SMAW: E8018-B2 / E9018-B3 (Rod)
- · SAW: F7A(P)8-EH12K / F7P4-EB2R-B2



Experience: Refractory Lining

Refractory Lining on Equipment

- Installation Method _ Casting
- Refractory Materials:
- · RESCO, RS-17EC (Castable Mixing with Water) + Heat Curing
- · Thermbond, Formula 6L (Castable mixing with Chemical Activator)
- Thermbond, Formula 6P
 (Castable mixing with Chemical Activator)

