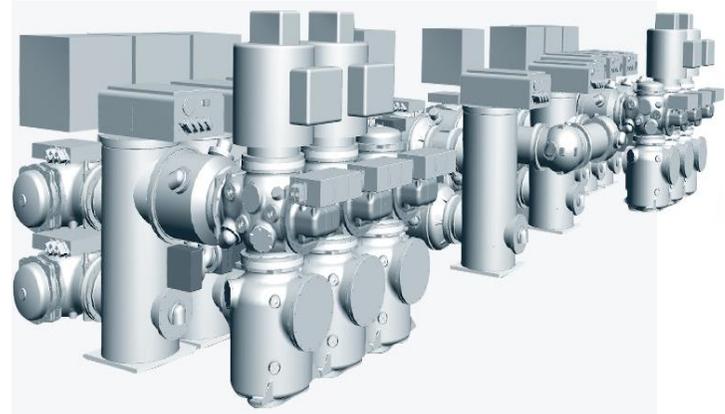


## 03 Business Partners

### Hyundai Electric - Korea

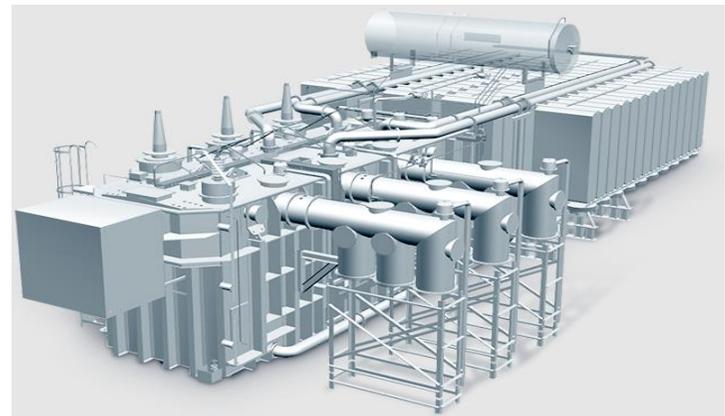
#### ➤ GIS (Gas Insulated Switch Gear)

- 22.8/72.5/145/170/245/362/420/550kV
- 50 ~ 60 Hz
- 25.8 kVrms
- 0.12 Mpa



#### ➤ TR

- Up to 800kV / 1,500MVA
- Manufactures according to customer requests



## 03 Business Partners

### Hyundai Electric - Korea

#### ➤ Motor

- 2 ~ 30 P
- 2 ~ 14 KV
- 100 ~ 30,000 KW
- IP54,55 (IEC 60034-2)
- IC411/611/81W (IEC 60034-6)

#### ➤ Synchronous Generator

- 5 ~ 50 MVA
- 4 / 6~14 P
- ~ 0.69 / ~ 15KV
- 50 ~ 60 Hz
- 429~1200 / 1500 / 1800 rpm



## 03 Business Partners

### Hyundai Electric - Korea

#### ➤ Cubicle (Switch Board)

##### ■ High Voltage

- 4.76/7.2/12/15/17.5/24/36/38 kV
- 1200/1250/2500/3000/3150/4000A
- ~31.5/40/50 kA/3s

##### ■ Low voltage

- 440/660kV , 50~60Hz
- 800/1600/2000/3000/4000/5000A
- 50/80/85 kA/s



## 03 Business Partners

### Hyundai Electric - Korea

#### ➤ Distribution TR

##### ■ Oil immersed Type

- 100~50,000kVA
- 220~36,000VA
- 7,000 MVA

##### ■ Cast resin Type

- 100~20,000 kVA
- 220~36,000 V
- 5,000MVA



## 03 Business Partners

### Hyundai Turbo Machinery

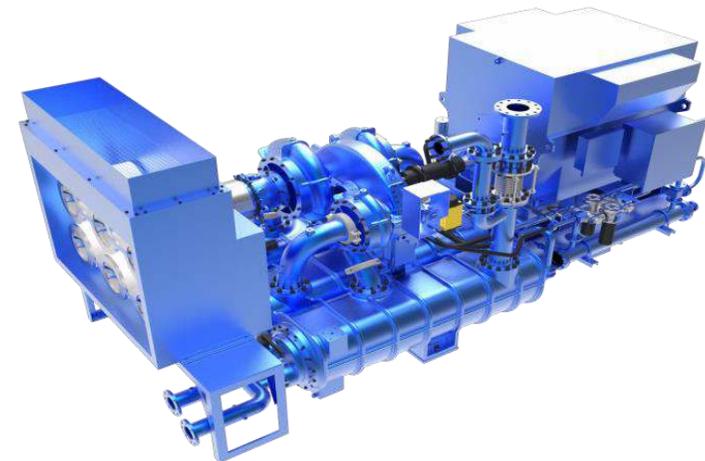
#### ➤ Compressor - Gas

- Refrigeration Compressors (Ethylene, Propylene)
- Methane and Syn Gas Compressors
- Gas Cracker Compressors
- Charge Gas Compressors
- Hydrogen Recycle Compressors



#### ➤ Compressor - Air

- 3,630~16,360 m<sup>3</sup>/hr
- 5.5~10.4 bar
- 269~2,188 kw



## 03 Business Partners

### Hyundai Turbo Machinery

#### ➤ Pump - Vertical Type

- Single Pullout Type(Mixed Flow, Radial Flow, Axial Flow)
- Vane Adjustable(Mixed Flow, Axial Flow)
- Concrete Volute Pump
- Barrel Pump - Double Suction
- Multi-stage Pump

#### ➤ Pump - Horizontal Type

- Radial-split Diffuser
- Axial-split Volute
- Double Suction axial/radial split

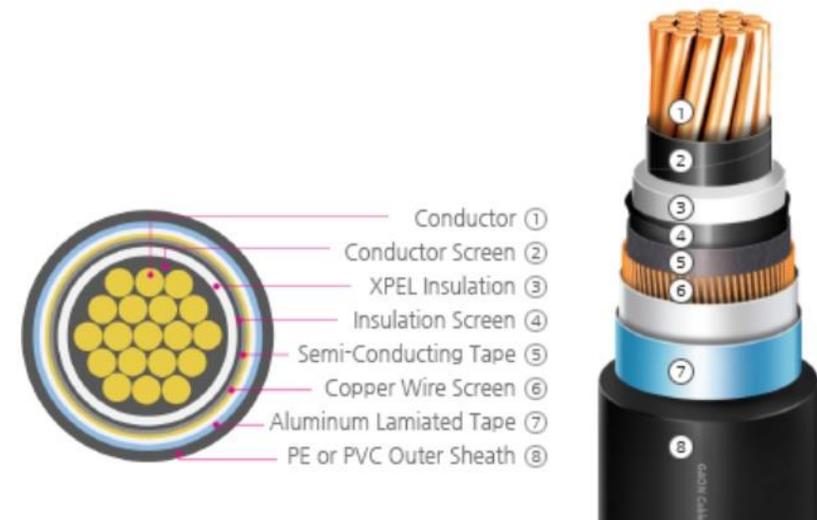


## 03 Business Partners

### GAONCABLE

#### ➤ Ultra high voltage cable

- 76/132KV XLPE Insulated Aluminum Sheath Cable
  - Nominal cross-sectional area  
400~1200mm<sup>2</sup>
  - Outer diameter  
23.2~41.8mm
- 76/132KV XLPE Insulated Aluminum Sheath Cable
  - Nominal cross-sectional area  
400~1200mm<sup>2</sup>
  - Outer diameter  
23.2~41.8mm



## 03 Business Partners

### JM Voith SE & CO. KG

- The Voith Group is a global technology company. With its wide range of plants, products, services and digital applications, Voith(Fluid coupling) sets standards in the markets for energy, oil and gas, paper, raw materials and transport & automotive
- HDEM has been supplying since 2007 as a company that has signed an exclusive supply contract with VOITH and supplying to petrochemical companies and KHNP



## 04 Customer & Products

### Major Customers

POSCO

KHNP  
KOREA HYDRO & NUCLEAR POWER CO., LTD.

HYUNDAI  
ENGINEERING CO., LTD.

SK

DOOSAN  
Heavy Industries  
& Construction

POSCO  
E&C

KEPCO

DAELIM

S-OIL

SAMSUNG

posco ict

HYUNDAI  
HEAVY INDUSTRIES

DSME



HYOSUNG

POSCO  
CHEMTECH

HYUNDAI  
ENGINEERING & CONSTRUCTION CO., LTD.

HYUNDAI  
STEEL

المتقدمة  
Advanced

KO STEEL

HYUNDAI  
HEAVY INDUSTRIES TURBOMACHINERY

GAON

SIEMENS

### Supplying Products

- Electrical facility  
(GIS, TR, HV/LV SWGR)
- Motor, Generator and Drive
- Pump & Compressor
- CHS (Coal Handling System), TBM

- Instrumentation and Control System
- Fluid Coupling
- Diesel Generator
- Crane (Ship unloader)
- Ultra high voltage cable