



POSCO

POSCO is a leading steel company, producing quality steel solutions in an environmental friendly way for a better world. POSCO's eco-friendly steel powers the world with clean energy and enables a green tomorrow.

COMPANY HIGHLIGHTS

Name: POSCO (Pohang Iron and Steel Company)

Business areas: Steel materials and solution for automotive, construction, shipbuilding and energy



Wide range of cold rolled and galvanized products



High-performance steel for bridge construction



World top premium steel for shipbuilding



Hot rolled steels for transporting oil and gas

Headquarter: 6261, Donghaean-ro, Nam-gu, Pohang-si, Gyeongsangbuk-do, Republic of Korea

Employees: 17,042 (2022. 2)

Revenue: \$28.900 mil. (Crude steel production 36.5 million tons / Product sales 34.7 million tons)

Website: www.posco.co.kr

MAIN CUSTOMERS & BUSINESS RELATIONSHIPS

Main Customers: Car maker, shipbuilding companies and energy solution marketing activities for

- **Wind power :** Turbine maker/manufacturer, Developer, EPC company
- **Solar :** Solar power structure fabricator, EPC company
- **Hydrogen :** Piping company, Tank or gas holder manufacturer, EPC company

Business Relationships:

- Strengthen the partnership with former customers as well as extend business relationships for new growth areas, such as secondary battery materials and low carbon energy, etc.

PRODUCT PORTFOLIO



Green

Enable

Steel plays a key role in converting wind, solar and hydrogen energy into electricity, which in turn powers steel production without emitting CO₂. Such an infinite cycle of resources creates new values and paves the path to a sustainable future.



Steel for wind turbine towers and sub-structures



Steel for solar panel frame and support structure



Steel for hydrogen transportation (100% gaseous H₂)

TECHNOLOGY HIGHLIGHTS

POSCO has been named as the most competitive steelmaker in the world in 12 consecutive years by World Steel Dynamics. By developing high-quality steel products and environmentally-conscious process, POSCO helps to improve living standards and to build a better future for humankind. In the energy sector, POSCO delivers high-performance steel products and solutions that serve multiple dimensions of the industry. In addition, as the company has declared to achieve carbon neutrality by 2050, with launching the brand of "Greenable", we are stepping up efforts to develop green steel that serves better in wind, solar and hydrogen market and strengthening a leadership role in emerging green industries.

KOTRA Hamburg | 2022 H₂ EXPO & CONFERENCE | Korea-Pavillon

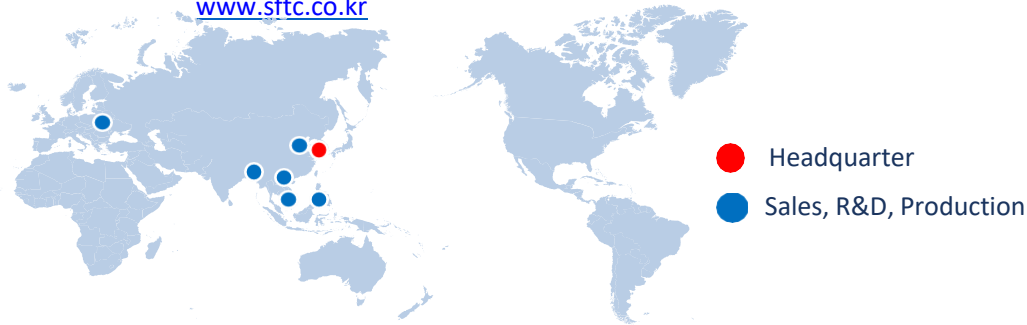


SANG-A FRONTEC CO., LTD.

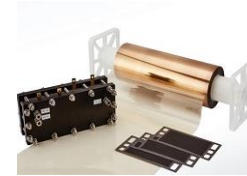
SANG-A FRONTEC possesses the core source technology of super engineering plastics, and also various independent processing technique for the related industry's production of products.

COMPANY HIGHLIGHTS

Name: SANG-A FRONTEC CO., LTD.
Business areas: ePTFE Membrane, Electrolyte Membrane, Battery Parts, Automobile Parts, Medical Device, Semiconductor Process Materials etc.
Headquarter: Incheon, South Korea
Employees: 500
Revenue: \$139 mil. (2021)
Website: www.sftc.co.kr

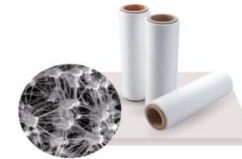


PRODUCT PORTFOLIO



Electrolyte Membrane for Electrolysis System and Fuel cell

- Excellent mechanical strength (reinforced ePTFE)
- Low dimensional change rate, High dimensional stability
- Excellent chemical resistance by using fluorine-based ion conductor



ePTFE Membrane

- Stretching PTFE sheets to generate uniform Nano-sized Micro-Pores
- Number (hundreds of millions per cm²) and size (200nm to 10μm) of micro-pores generated

MAIN CUSTOMERS & BUSINESS RELATIONSHIPS

Main Customers: Korea's Fuel Cell Generator MEA Maker 'V' and 'D' in progress
Korea's Electrolysis System Maker 'E' in progress

Business Relationships: V/Partnership/Supply Electrolyte Membrane for MEA
D/Partnership/Supply Electrolyte Membrane for MEA
E/Partnership/Supply Electrolyte Membrane for Electrolysis System

TECHNOLOGY HIGHLIGHTS

- Fluoropolymer modification and processing technology accumulated for more than 40 years
- Commercializing technology for different purposes: surface processing and post-processing tech
- Maintain various production technologies utilizing Super Engineering Plastics
- Company invests over 5% of its revenue in the R&D activities



ILJIN Hysolus CO., LTD.

The hydrogen type 4 tank global manufacturer and only one mass production leader. To be supported a various components for hydrogen tank module and developing a customized design in house.

COMPANY HIGHLIGHTS

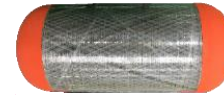
Name: ILJIN Hysolus CO., LTD.
Business areas: Hydrogen type 4 tank / Hydrogen Storage module
Headquarter: Wanju (South Korea)
Production: Wanju (South Korea)
R&D: Wanju (South Korea)
Sales: Seoul (South Korea), Frankfurt (Germany)
Employees: 208
Revenue: \$49.5 mil. (2020)
Website: www.hysolus.com

MAIN CUSTOMERS & BUSINESS RELATIONSHIPS

Main Customers: Hyundai Motors, Hyzon Motors, etc.

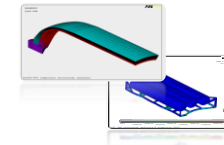
Business Relationships: Mass production for Hyundai motors "Nexo" vehicle
Type 4 hydrogen tank supply for HYZON to supply EU/NA/Aus
Hydrogen tank for X5 model of BMW

PRODUCT PORTFOLIO



Hydrogen type 4 tank

Since 1999, developing a specialized composite tank for hydrogen and CNG. In 2014, started a mass production of hydrogen tank and supply to Hyundai motors "Nexo" in 2018



Module customizing

- Able to support a tank modules case by case based on requirement
- Can be assembled all components for hydrogen tanks modules

TECHNOLOGY HIGHLIGHTS

- No. 1 Hydrogen Storage Efficiency -- Longest Driving Range with a full tank
- Applying malicious conditions for safety including; Fire test as 3 times longer as the required safety criteria (60 min)
- Shortest New Product - Development time by 50% over industry average based on production data base
- Cost Saving Technology in materials & processing / Zero Claim over >60,000 Hydrogen Cylinder Mass Production