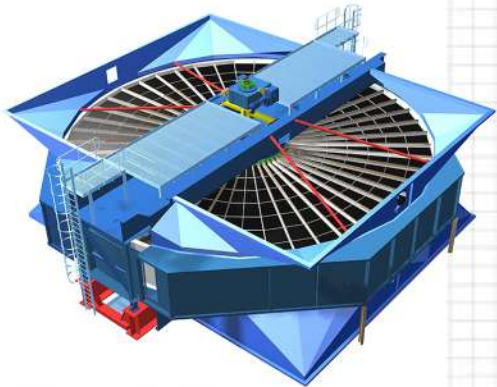


Solution Provider for Energy Industries



SUNGHYUN CO., LTD

SUNGHYUN Co., Ltd.

Founded in 1986 with main plant in Sothern West of South Korea is a reliable leading manufacturer of equipment for the power plant, material handling facilities, environmental facilities and oil & gas plant. For the past thirty years, SUNGHYUN has opened a bright future with everlasting passion and spirit of challenge. Also we will keep on innovating our technologies in order to make our dreams come true in the future. With our extensive experiences and high technologies, SUNGHYUN is ready to take another great leap in the plant industries.



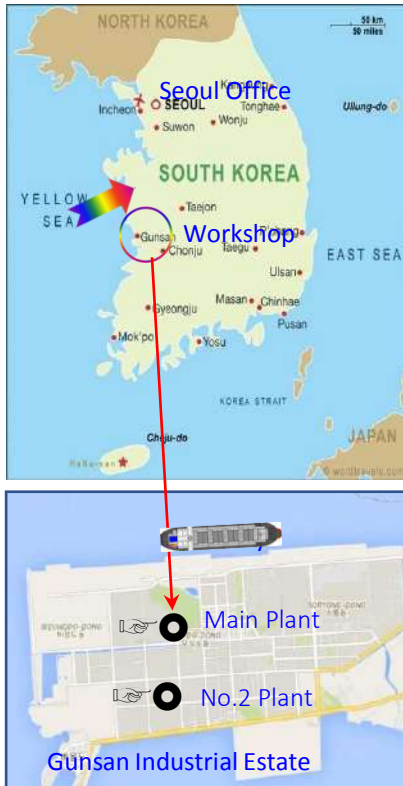
Company History

1986. Jan.	Established HANSUNG MACHINERY INDUSTRY
1995. May	Opened No. 1 Plant at Janghang Industrial Estate
1999. Jul.	Renamed to SUNGHYUN CO., LTD
2002. Aug.	Accredited construction license for steel structure & piping for KEWPC
2002. Dec.	AS/NZS ISO 9001:2000 qualified
2003. Jul.	Qualified Supplier by KEPCO , KMPC, KSPC, KSEPC
2005. Jan.	Qualified Supplier by Doosan Heavy Industrial
2007. May	Qualified Supplier by Samsung Engineering
2011. Oct.	Opened No.2 Plant at Gunsan Industrial Estate
2012. Oct.	ASME PP, U and S Stamps qualified
2014. Jun	Opened Main Plant at Gunsan Industrial Estate
2014. Jun	Moved Headquarter to Main Plant
2016. Jul.	Designated as a Promising Small and Medium Enterprise
2018. Apr.	Awarded 5 Million Export Tower Prize
2018. Jul.	Designated as Leading Enterprise in Jeollabuk-do



Location

Main Plant is located at very convenient area in Gunsan Industrial Estate where enables shipping large size equipment easily



Head Office & Main Plant

31, Jayumuyeok 2-gil, Gunsan-si, Jeollabuk-do, Korea
 Total Facility Area: 26,000m², Covered Area: 6,976m²
 Tel: +82 63 464 1110, Fax: +82 63 464 2110

No. 2 Plant

266, Sandandongseo-ro, Gunsan-si, Jeollabuk-do, Korea
 Total Facility Area: 6,500m², Covered Area: 2,775m²



Fabrication Capacity

Annual Capacity : 24,000 Ton/Year

- ✓ Power Plant Steel Work : 13,000 Ton
- ✓ Oil & Gas Pressure Vessel : 5,600 Ton/Year
- ✓ Steel Mill Plant Steel Works : 5,400 Ton/Year

Dimensional Capacity

- ✓ Max. Weight : 200 Ton
- ✓ Max. Thickness : 150 mm
- ✓ Max. Diameter : 10 meters
- ✓ Max. Length : 80 meters

Quality System

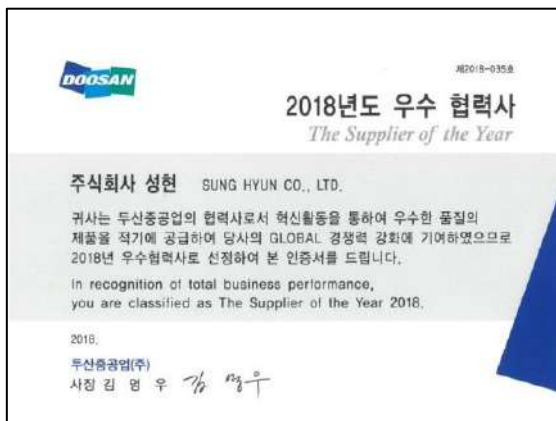
SUNGHYUN's Quality Leadership

Quality System

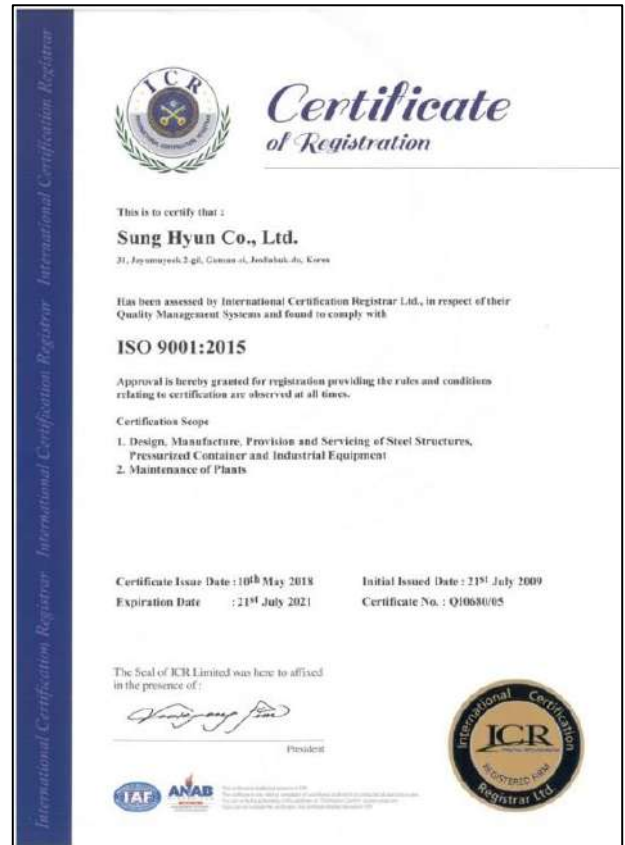
- ✓ Supervisor's intensive involvement
- ✓ Full QA/QC management
- ✓ Quality Management Plan
- ✓ Internal audit

Strategic Drivers

- ✓ Customer Focus
- ✓ Lean Leadership
- ✓ Quality Award



Best Supplier by Doosan Heavy Industries



ISO 9001

ASME STAMP

The National Board Certificate



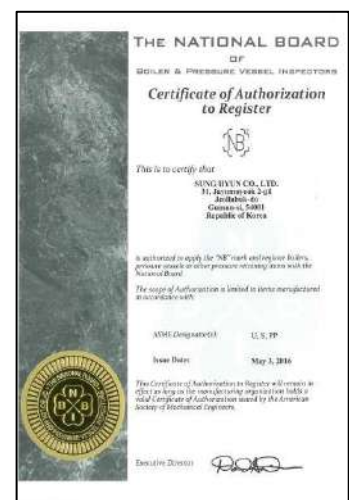
U Stamp



S Stamp



PP Stamp



Health, Safety and Environment

HSE Management

SUNGHYUN has made steady and persistent effort to keep safe and healthy working system and preserve clean environment



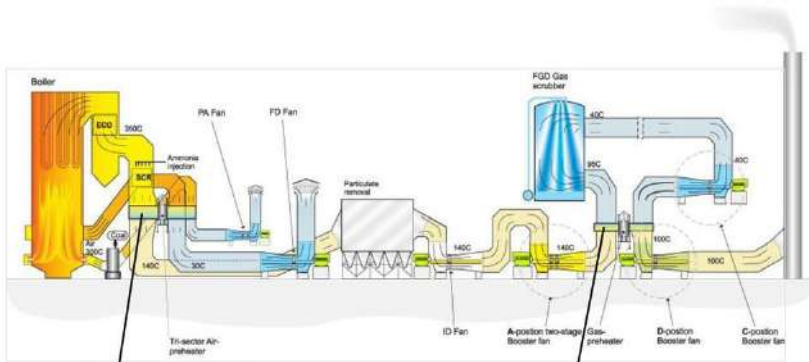
OSHAS 18001-2007.



Main Products

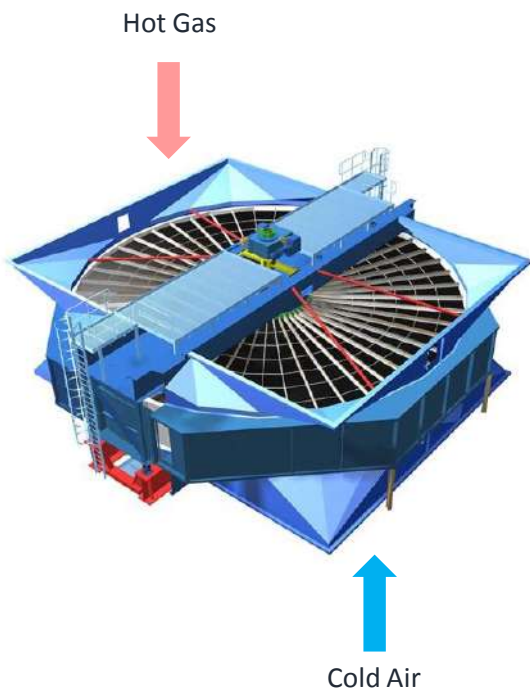
Gas Gas Heater

Gas Gas Heaters are utilized in air pollution control system to transfer heat between gas flows, and improves performance of the emission reduction process



Air Preheater (Gas Air Heater)

Air Preheaters are used in steam generators to pre-heat air through the efficient recovery of waste heat



Wind Box

Wind Box is box type structure of the boiler, located on burner deck that contains the fuel supply manifolds, burners and air registers. Combustion air is delivered to the wind box where it is distributed by means of air register to burners



Burner System

Boiler burners are the central element of effective combustion system which includes fuel preparation, air fuel distribution and combustion control. A burner is a mechanical device that supplies required amount of fuel and air and creates a condition of rapid mixing and produce flame.



Coal Burner System



Oil Burner System

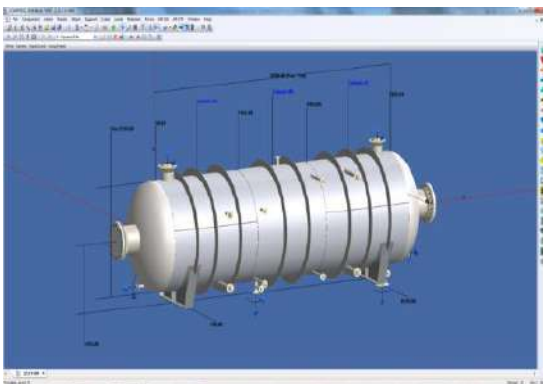
Pressure Vessel

We have extensive expertise and experience to design, fabricate variety of different types and sizes of pressure vessels and drums.

Vessels are designed and engineered using latest versions of standards and softwares such as ASME and COMPRESS also finite element analysis and solid modelling. Range of materials includes carbon steel, stainless steel, titanium and other exotic materials.



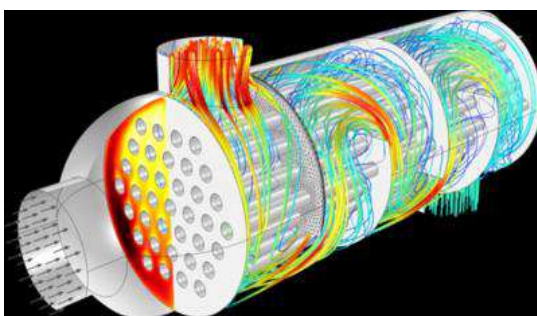
Pressure Vessel



Drum

Shell and Tube Heat Exchanger

We delivers reliable and high efficient Shell and Tube Heat Exchangers such as LP/HP Feed Water Heaters or Condensers for Power Plant or Oil & Gas Plant.



Condenser



HP Feed Water Heater 8

Column & Tower



Column



Spray Tower

Stack (Flare, Flue Gas)

A flare stack is a tall vertical vent pipe used in petroleum, refineries petrochemical plants and chemical plants for burning off flammable gas released by pressure relief valves during unplanned over-pressuring of plant equipment.

A flue gas stack is a vertical vent cylindrical pipe used in boiler or HRSG system to exhaust flue gas after fuel burning.



Filtration System

Advanced filtration solutions for the oil and gas industry deliver enhanced filtration performance across the upstream, midstream, and downstream business units for reduced operating costs and improved process efficiency.

Effective and reliable filtration is very important through the production, transportation, and refining of produced hydrocarbons.



Well Guard Filter



Auto Strainer



Auto Filter System



Diesel Oil Filter Package

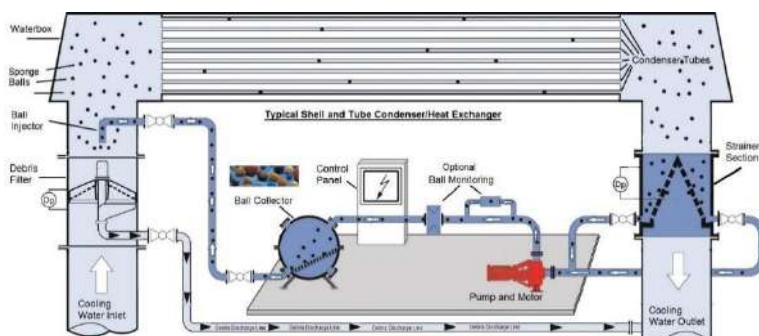
CTCS and Debris Filter

Condenser Tube Cleaning Systems (CTCS) consist of a closed recirculating loop. Sponge balls are injected into the cooling water via an injection nozzles on the cooling water inlet pipe. The balls pass through the cooling water tubes and are separated by a strainer section in the cooling water outlet pipe. They are recirculated by a centrifugal pump via a ball collector. As the sponge rubber balls have a slightly larger diameter than the condenser tubes a continuous cleaning of the condenser is ensured. Any silt and/or other contamination of the strainer section is detected via a differential pressure transmitter allowing the system to be automatically cleaned.

Debris Filter intercept and remove particles, fibrous matter and other solids not captured upstream, preventing them to enter steam condenser.



CTCS – Ball Strainer



Debris Filter



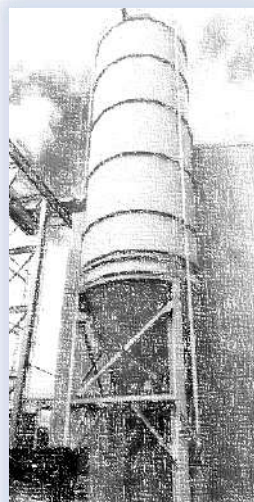
CTCS – Ball Collector

Material Handling System

Material Handling System includes cranes, conveyors, bucket elevators, hopper and silos. Those systems are usually a part of petrochemical plants, coal fired power plants or industrial plants.



Silo



Plant Service and Maintenance

SUNGHYUN have provided preventive and routine maintenance services for energy industries such as power plants. Our reliable and flawless services by experienced engineers and technicians will ensure customer for safe operation.



1000MW Turbine Maintenance

Major Customers



 Sunghyun **SUNGHYUN Co., Ltd.**
SUNG HYUN Co., Ltd.

Head Office & Main Plant

31, Jayumyeok 2-gil, Gunsan-si, Jeollabuk-do, Korea
Tel: +82 63 464 1110
Fax: +82 63 464 2110
Email: hohyun.kim@sunghyunpower.com

2nd Plant

266, Sandandong, Gunsan-si, Jeollabuk-do, Korea

Seoul Office

Anam Tower RM# 917, 311, Teheran-ro, Gangam-gu, Seoul, Korea