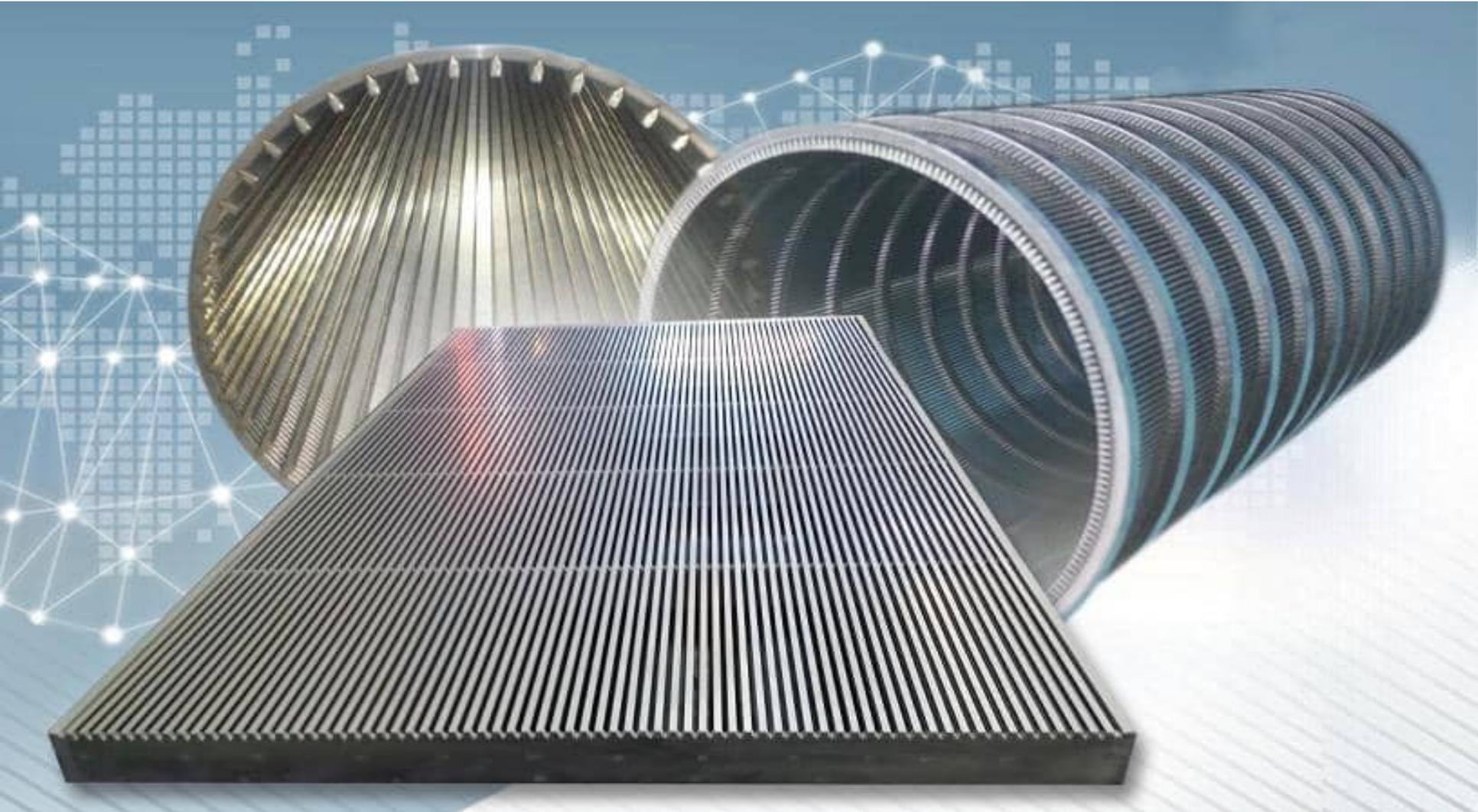


*W*ILL SCREEN & PLANT

 **WILL SCREEN & PLANT**
ENG & FILTRATION SYSTEM COMPANY

Engineering & filtration system company



67-17, Songsansandan-gil, Songsan-myeon, Hwaseong-si, Gyeonggi-do, Republic of Korea (18545)

Tel : +82 31-357-0067, Fax : +82-31-357-0068 , Website : <http://www.willscreen.com>, E-mail : willscreen@willscreen.com



2023'

- Construction of 3rd factory completed in Hwasung city

2021'

- Expanded HQ & Factory to Hwasung city
- Found JV with HAJI Engineering Co., Ltd

2018'

- Agent Partnership with East-Asia Market
- Agent Partnership with Middle East Market

2016'

- Acquired ISO 14001 and OHSAS 18001
- Changed company name to Will Screen and Plant Co., Ltd
- Acquired Certificate of patent for Wastewater Treatment System

2015'

- Acquired Certificate of Inno-biz
- Acquired Certificate of Venture Business

2013'

- Acquired Certificate of patent for Self Cleaning Filtration System
- Expanded business in overseas market

2012'

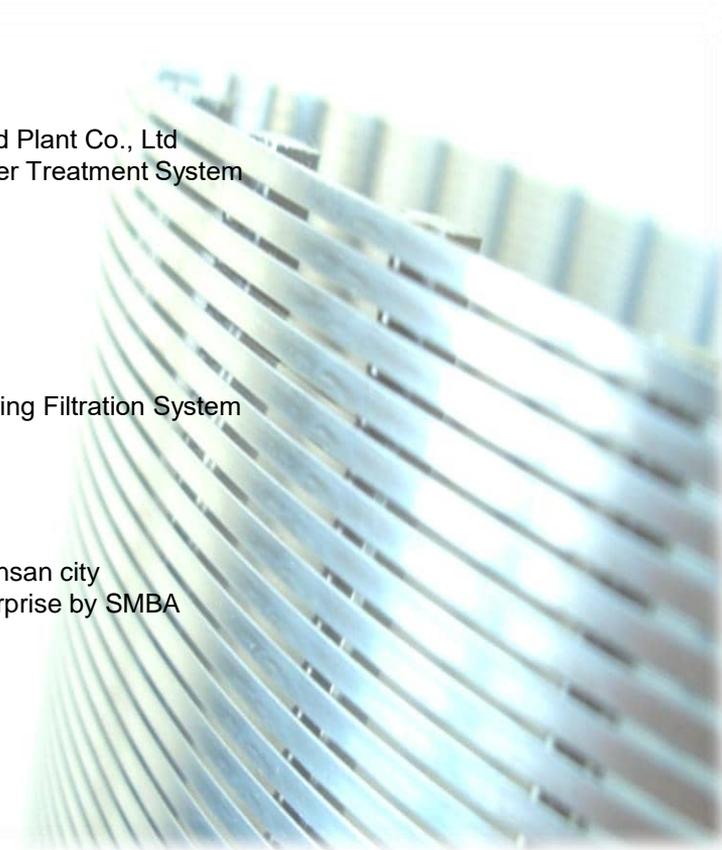
- Acquired ISO 9001
- Construction of new factory completed in Ansan city
- Selected as a excellent small-medium enterprise by SMBA

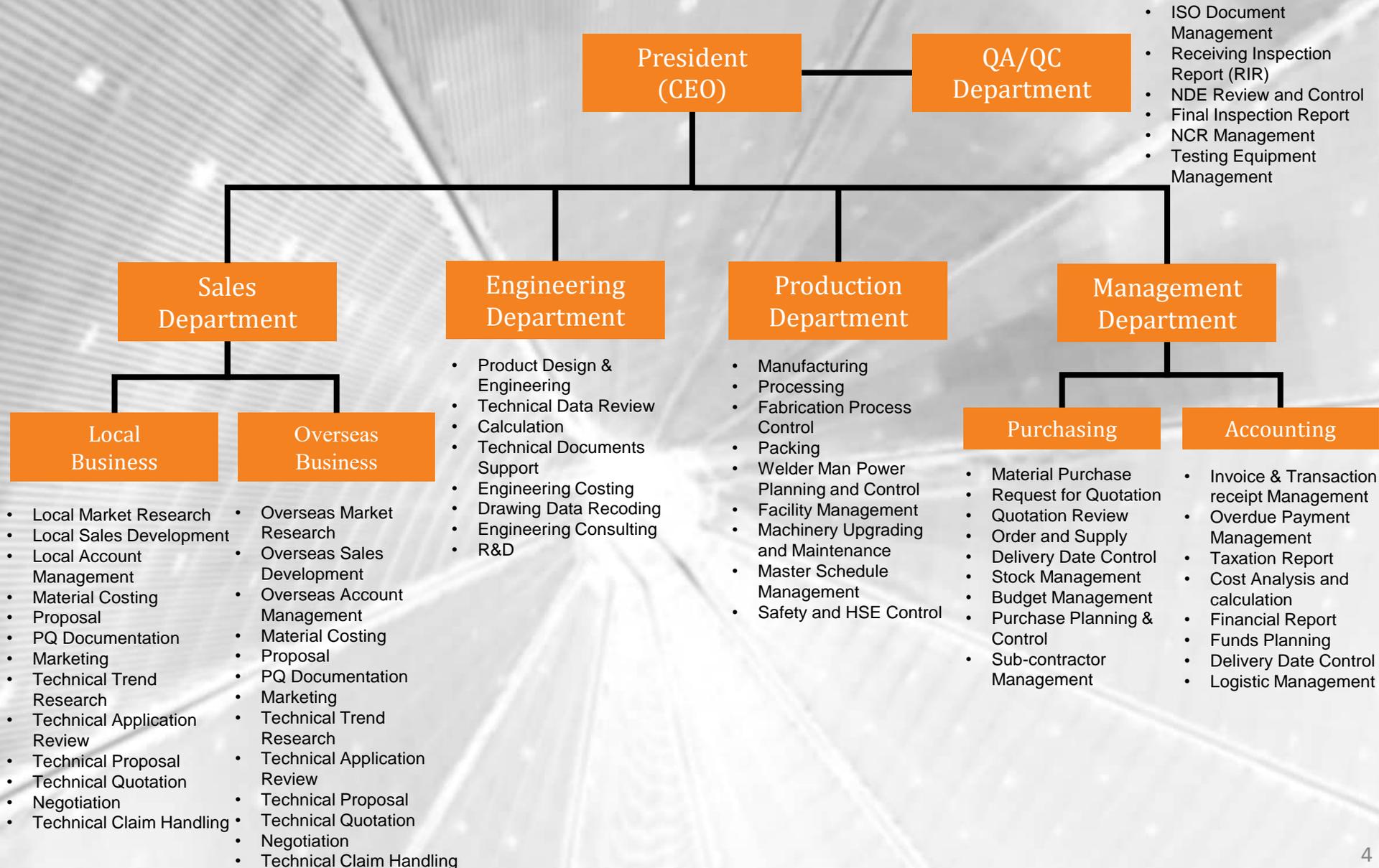
2003'

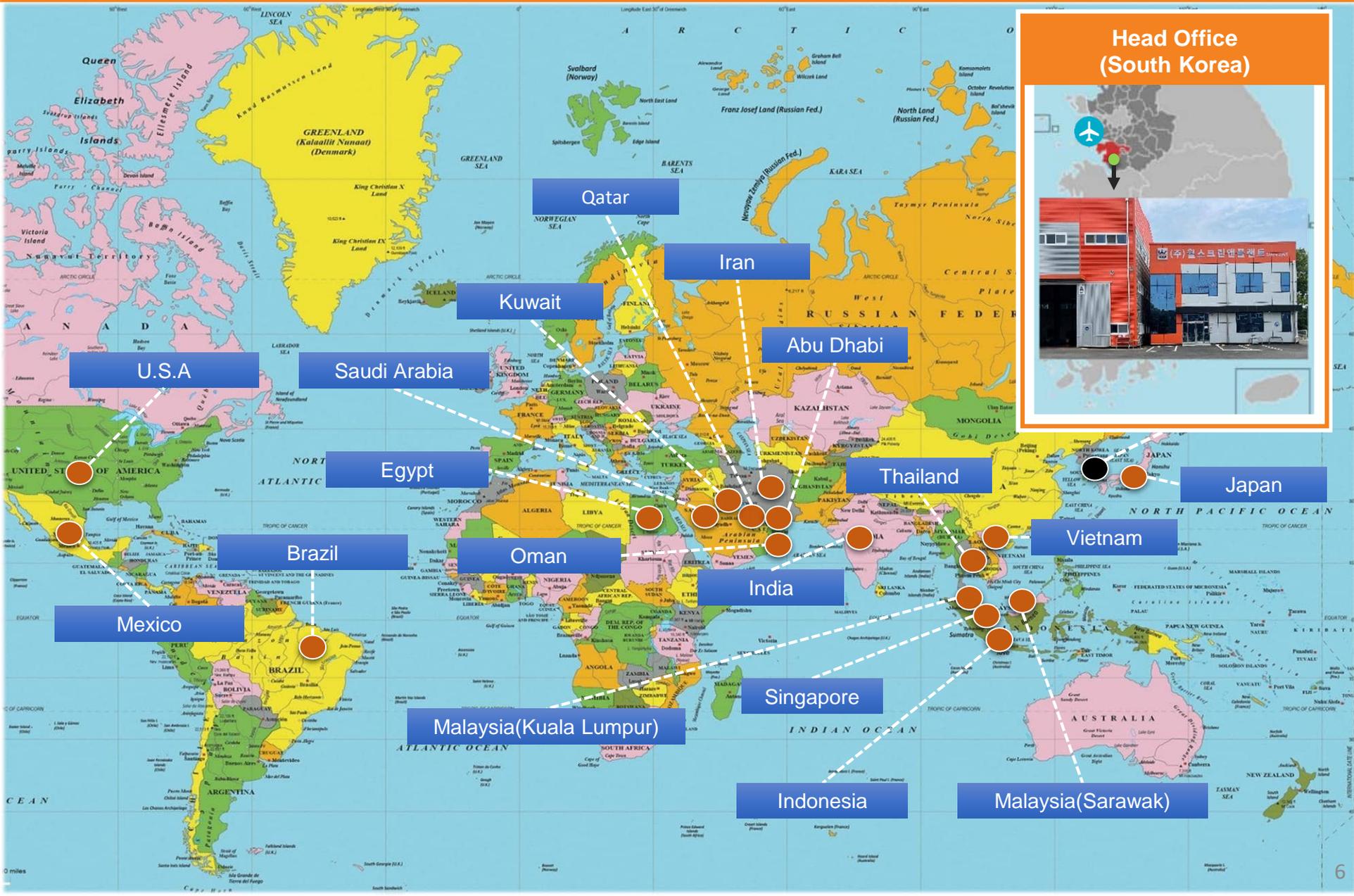
- Incorporated as Will screen Co., Ltd.
- Expanded businesses in local markets

2001'

- Will Screen Co., Ltd was founded in 2001







**Head Office
(South Korea)**



OIL & GAS, REFINERY, PETROCHEMICAL

❖ General Information

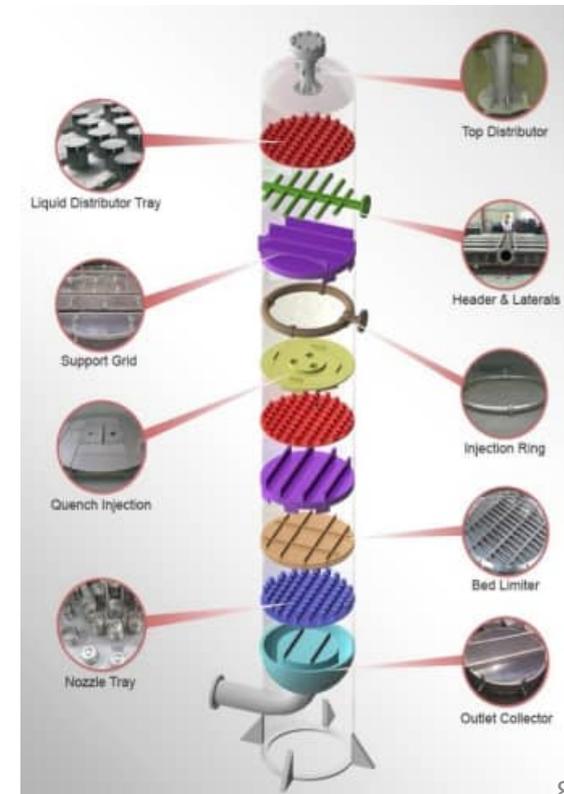
- The screen internals installed inside the pressure vessels for oil & gas, refinery and petrochemical industry represent one segment of Will Screen & Plant industrial screen technology.
- Pressure vessels such as reactor, absorbers, activated carbon filter, multi media filter, mixed bed polishers use screen internals to prevent entertainment of media inside.
- With a great deal of on-shore, off-shore projects based on UOP, Shell, ExxonMobil, AXENS, Chevron and other worldwide engineering standards and the needed certifications, licenses and patents, Will Screen & Plant have been acknowledged as a reliable global leading manufacturer in wedge wire Screen internals.
- Reactor is divided into two large groups: Radial Flow Reactor, Down Flow Reactor. Radial Flow Reactor also has two types: Execution with center pipe and scallops and Execution with center pipe and outer screen.
- For both reactors the efficiency of the process depends on the screen internals and our esteemed wedge wire internals offer exceptional strength and resistance to collapse, breaking and buckling. The combination of high open area and non-clogging of the slots provides high volume flow and efficient media retention. Thanks to the vertical slots in the center pipe and the outer screen/scallops and the smooth surface, the catalyst beads can move up and down without being abraded or broken by the screens.

❖ Features

- High efficiency and Non-clogging
- Flexible design for different types of pressure vessels
- Control entrance velocity
- Strong resistance to corrosiveness
- Strong Strength & Durability
- Various material selection
- Low cost for Installation, maintenance and Operation

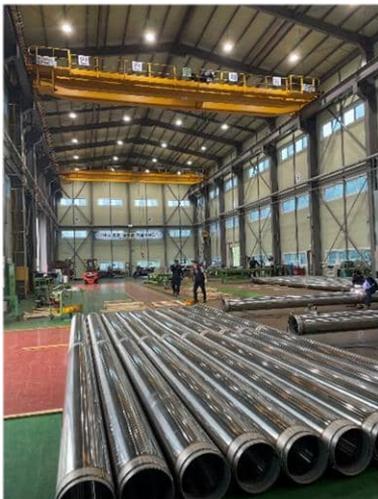
❖ Applicable Products

- | | |
|--------------------|------------------|
| ➤ Support Grids | ➤ Center Pipe |
| ➤ Outlet Collector | ➤ Scallop |
| ➤ Distributors | ➤ Inlet Diffuser |
| ➤ Lateral Screen | ➤ Scale Trap |
| ➤ Nozzle Screen | ➤ Others |



❖ General Information

- Will Screen & Plant is also well known as a solution provider of water and wastewater treatment systems. The main processes in water treatment are demineralization, softening, ion exchange, gravity and pressure filtration.
- We have managed to supply various process equipment for desalination plant, sewage treatment plant, Membrane Bio Reactor treatment, Power Plant, LNG/LPG Plant, Marine Plant.
- Customized design and engineering solutions are one of our main strength and provide the high-tech products to customers based on the project requirements.
- Wedge Wire Screens and filtration systems are used to collect or distribute the treated liquids while it retains the treatment media and filters solids. It is a must to provide the highest open area without clogging and our specially designed profile wedge wire screens can improve these efficiency in comparison to the other mesh or punched screens with the following advantages
- Mesh screen should be replaced on a regular basis whereas our special designed wedge wire screen can be used for a long period of time even in the harsh conditions that makes it possible to lower the cost for operation, maintenance. However, provided that it is sometimes necessary to use mesh screens depending on the situation, we also supply mesh and/or punched type of screens to customer in order to be a leading company in the filtration industry



❖ Features

- High efficiency
- High opening area
- Strong Strength & Durability
- Flexible design
- Low cost for maintenance & Operation

❖ Applicable Products

- | | | |
|-------------------------|-------------------|---------------------------|
| ➤ Manual Bar Screen | ➤ Well Screen | ➤ Cartridge Filter |
| ➤ Mechanical Bar Screen | ➤ Nozzle Screen | ➤ Activated Carbon Filter |
| ➤ Drum Screen | ➤ Manual Strainer | ➤ Ion Exchanger |
| ➤ Hydro Sieve Screen | ➤ Auto Strainer | ➤ Others |
| ➤ Intake Screen | ➤ Resin Trap | |



❖ General Information

- Will Screen & Plant Profile Wedge Wire Screens are also used in other industries such as food & beverage, cement, mining, painting typically for raw material filtration.
- Our wedge wire with a large open area, less pressure drop, precise gap sizes and non-clogging provides ideal solution for separation and filtration processes in these industries
- These screens and filters are manufactured in a variety of sizes, types and high-quality materials, enabling their use in sensitive areas of raw material production, The products are durable and long lasting, easy to clean and remain virtually free from clogging
- Design of screen can differ according to what kind of substances customer wants to filter through. In particular DSM, ICM, Screw Press screen are commonly used in the starch industry
- We have the requisite knowledge, expertise and experience to help you improve your raw material processing application. We can recommend and help you design the right type of food screen for your project, including the size, shape and open area that best fits your needs and your screening equipment.

❖ Features

- Precise slot (25 micron at the smallest slot size)
- Smooth screen surface, optionally polished
- High open area
- Low maintenance
- Looped or welded execution available

❖ Applicable Products

- Screen Panels & Cylinders
- DSM Screen
- ICM Screen
- Screw Press Screen
- Mill Screen
- Round Screen



KEY CUSTOMERS

Oil & Gas, Refinery, Petrochemical



Water & Wastewater



Others



CERTIFICATION



ISO 9001



ISO 14001



ISO 45001



VENTURE BUSINESS



INNO-BIZ



MEMBERSHIP OF TECHNICAL INNOVATION ASSOCIATION



INSTITUTE OF TECHNOLOGY



MEMBERSHIP OF KOREA POLYTECHNIC UNIVERSITY



PATENT OF SELF CLEANING SYSTEM



PATENT OF SCREEN FILTRATION SYSTEM



PATENT OF WASTE WATER FILTRATION SYSTEM