Profit from our expertise in corrosive applications.

Your key benefits

Our systems, equipments and components provide maximum safety for your production processes while ensuring both availability and cost effectiveness. Moreover our comprehensive range of services covers the entire lifecycle of your facilities. We are your reliable partner, not only your supplier.

Process solutions

- HCl syntheses
- Absorption of HCl gas
- Production of HCl gas from hydrochloric acid
- Evaporation and concentration of hydrochloric acid
- Purification of HCl
- Dilution of H₂SO₄
- Concentration of H₂SO₄
- Concentration of H₃PO₄
- Defluorination of H₃PO₄
- Treatment of exhaust gas and flue gas
- Destruction of fluorochlorinated hydrocarbons (HCFC)
- Handling of acidic gases

Equipment

- Shell and tube heat exchanger
- Block heat exchanger
- Plate heat exchanger
- Groove heat exchanger
- Columns, reactors, vessels
- Quenchers
- Pumps

Components and assemblies

- Rupture disks
- Column internals
- Feed tubes
- Expansion joints
- Piping
- PTFE liners
- PTFE hoses

Parts and services

Services by SGL Carbon – more than just repairs. We provide comprehensive services throughout the entire lifecycle

- Start-up Services (commissioning, installation, trainings, etc.)
- Operation Services (OEM spare parts, maintenance and repairs, emergency procedures, inspection, etc.)
- Upgrade Services (debottlenecking, equipment harmonization, spare parts concepts, etc.)
- End of use Services (conservation, revamping, re-use, end of life, etc.)
Global production network for process technology

Strongsville | USA
Grenoble | France
Meitingen | Germany
Limburg | Germany
Pune | India
Shanghai | China
Yamanashi | Japan

Did you know ...

SGL Carbon is the global market leader¹⁾ in graphite based process technology
You get access to the largest know-how and experience base available in industry, based on most references with more than 10000 block heat exchanger, more than 4500 shell & tube heat exchanger, more than 3000 plate heat exchanger and hundreds of synthesis units, columns, systems etc.

SGL Carbon provides graphite tubes with highest heat conductivities on the market at up to 130 W/mK (longitudinal) and 70 W/mK (radial)
DIABON tubes for shell & tube heat exchanger allow much more compact heat exchanger and can reduce the tendency of fouling significantly.

SGL Carbon manufactured the largest graphite columns in the world
A diameter of 3 m and trouble free operation since more than 10 years is our proof for the high quality promise.

SGL Carbon provides the most efficient graphite heat exchanger in the world
We introduced the most modern and efficient graphite heat exchanger technology on market – DIABON plate heat exchanger. Up to 70% more compactness and flexibility is your benefit.

SGL Carbon introduces innovative carbon fiber based engineered solutions
We are the first supplier worldwide applying modern carbon fiber based materials (SIGRABOND) in a broad range for process equipment and parts. Your benefits are state-of-the-art products setting a new benchmark in performance and handling at economic prices.

¹⁾ Acc. Global Graphite Heat Exchanger Report 2017, QY Research Center