

**SGL Carbon Delivers Steam Generation Hydrochloric Acid synthesis unit to TCCL in South India**

- Combined HCl acid and steam generation enables significant energy savings and increased cost efficiency

SGL Carbon delivered a Hydrochloric Acid (HCl) synthesis unit with integrated steam generation to Travancore-Cochin Chemicals Ltd. (TCCL), a major producer in the chlor alkali business in South India. End of January, TCCL officially inaugurated its plant in Kochi in India's Kerala state. Since then, the unit has already been ramped up at the customer's site to full capacity.

The synthesis unit uses the efficient membrane wall technology and has a capacity of 60 tons of HCl per day. As an additional benefit, this innovative design enables the recovery of waste heat generated in the synthesis unit from the reaction of Hydrogen & Chlorine to produce up to 33 tons of steam at the high pressure of 10 bar every day. This steam can be used elsewhere in the chlor alkali plant, for example when concentrating caustic to flakes. As a result, the energy efficiency of TCCL's plant goes up substantially since a huge portion of their steam demand can be covered by SGL's unit. Thereby this helps to save costs as well as reduces CO2 emissions by more than 1.500 tons per year potentially.

The HCl synthesis has been completely engineered and produced at SGL's production site in Pune, India. Scope of supply also included civil modification services at the customer site on a turnkey basis.

"Our innovative combined HCl synthesis and steam production units offer a great business value to our customers in the growing Indian chemical market. Together with our proven technical and engineering competence on a global scale we can help our customers to enhance their energy efficiency as the example of TCCL shows", comments Suneet Sangam, Sales Manager at SGL Carbon India.

"By engineering and producing our units also at SGL's production site in India, we further strengthen our position as a global process solution provider for corrosive applications leveraging our extensive expertise from our worldwide network. Realizing such ambitious projects in these challenging times of Covid restrictions shows how capable our global team is." says Christoph Koch, Director Sales EMEIA at SGL Carbon.

**SGL Carbon SE**  
**Corporate Communications, Media Relations**  
Soehnleinstrasse 8  
65201 Wiesbaden/Germany  
Phone +49 611 6029-100 | Fax +49 611 6029-101  
press@sglcarbon.com | www.sglcarbon.com

## About SGL Carbon

SGL Carbon is a technology-based company and world leader in the development and production of carbon-based solutions. Its high-quality materials and products made from specialty graphite and composites are used in industrial sectors that determine the future: automotive, aerospace, solar and wind energy, semiconductor and LEDs as well as in the production of lithium-ion batteries, fuel cell and other energy storage systems. In addition, SGL Carbon develops solutions for chemical and industrial applications.

**In 2019, SGL Carbon SE generated sales of around 1.1 billion euros. The company has approx. 5,100 employees at 31 locations in Europe, North America, and Asia.**

Materials, products and solutions from SGL Carbon are embedded in the major topics of the future: sustainable mobility, new energies and cross-industry digitization. Further developments in these areas demand more intelligent, more efficient, networked and sustainable solutions. This is where the entrepreneurial vision of SGL Carbon evolves around: contributing to a smarter world.

Further information on SGL Carbon can be found at [www.sgllcarbon.com/press](http://www.sgllcarbon.com/press).

### Important note:

To the extent that our press release contains forward-looking statements, the latter are based on information that is available at present and on our current forecasts and assumptions. Forward-looking statements, by their very nature, entail known as well as unknown risks and uncertainties that may lead to actual developments and events differing substantially from the forward-looking assessments. Forward-looking statements must not be understood to be guarantees. Instead, future developments and events depend on a large number of factors; they comprise various risks and imponderables and are based on assumptions that may possibly turn out not to be appropriate. These include unforeseeable changes to fundamental political, economic, legal and societal conditions, particularly in the context of our main customers' industries, the competitive situation, interest and exchange rate trends, technological developments as well as other risks and uncertainties. We perceive additional risks e.g. in pricing developments, unforeseeable events in the environment of companies acquired and Group member companies as well as in current cost savings programs from time to time. The SGL Carbon assumes no obligation and does not intend to adjust or otherwise update these forward-looking statements either.

### SGL Carbon SE

**Philipp Stieffenhofer – Senior Manager Corporate Communications**

Soehnleinstrasse 8  
65201 Wiesbaden/Germany

Telephone +49 611 6029-100  
Fax +49 611 6029-101  
[press@sgllcarbon.com](mailto:press@sgllcarbon.com)  
[www.sgllcarbon.com](http://www.sgllcarbon.com)

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