

Press release

November 7, 2019

Water Technologies

Chengda selects Veolia to supply key process technologies at major chemical plant in Saudi Arabia

Veolia Water Technologies will deliver a thermal concentration system to purify calcium chloride.

China Chengda Engineering Co. Ltd. (Chengda) awarded Veolia a contract to supply evaporation technologies for Khair Inorganic Chemical Industries Co. in Ras Al Khair, an emerging industrial city located in the Eastern Province of the Kingdom of Saudi Arabia.

Chengda, a leading Chinese engineering and design firm based in Sichuan province, was engaged by Khair's Inorganic Chemical Industries Company, also known as InoChem, to help develop a major facility designed to process a feedstock of salt and limestone to produce 300,000 tons of soda ash and 300,000 tons of calcium chloride per year.

This will enable the substitution of imports in myriad applications from glass making to oil drilling and will make InoChem the first manufacturer of soda ash in the Gulf region and the largest producer of calcium chloride in the Middle East and North Africa (MENA).

Veolia's HPD® evaporation system, which is designed to be integrated with other equipment into InoChem's overall production facility, will concentrate and purify the brine stream to produce a calcium chloride solution. A portion of this concentrated brine, which has mostly been depleted of sodium chloride, will be further concentrated in a secondary process utilizing a two-effect finishing evaporation system to produce high-quality flaked and calcined calcium chloride products along with a high-purity sodium chloride byproduct which can be recycled within the plant.

"We are pleased to be a part of this landmark industrial complex. This contract to help Chengda deliver world-class chemical production plants is a testament to Veolia's value thanks to our extensive experience in thermal separation and previous expertise in the design of similar processes" said Jim Brown, Executive Vice President Veolia Water Technologies Americas.

Veolia's process design expertise and track record with [HPD® evaporation and crystallization technologies](#) help chemical producers optimize their operations by achieving high-purity outputs while improving environmental performance with a focus on the recycling of liquid streams and the recovery of valuable resources.

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Veolia group is the global leader in optimized resource management. With over 171,000 employees worldwide, the Group designs and provides water, waste, and energy management solutions which contribute to the sustainable development of communities and industries. Through its three complementary business activities, Veolia helps to develop access to resources, preserve available resources, and to replenish them.

In 2018, the Veolia group supplied 95 million people with drinking water and 63 million people with wastewater service, produced nearly 56 million megawatt-hours of energy and converted 49 million metric tons of waste into new materials and energy. Veolia Environnement (*listed on Paris Euronext: VIE*) recorded consolidated revenue of USD 30.6 billion in 2018. www.veolia.com

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