

Sulzer Acquired Rotec's Gas Turbine Service Business

Sulzer acquired control of Rotec's gas turbine maintenance business (Rotec GT). Rotec GT, headquartered in Moscow, Russia, and majority-controlled by

Renova, is active mainly in the Russian market. Through this transaction, Sulzer becomes a sizable player in the Russian gas turbine service market. Rotec GT is headquartered in Moscow and has a refurbishment center for gas turbine components in Ekaterinburg. Rotec GT is being combined with Sulzer Russia's service activities to create a leading independent gas turbine service provider for Russia and the CIS countries. Renova, the current majority owner of Rotec, will remain an investor with a 49% stake in the combined entity, which is now under the sole management control of Sulzer.



Gas turbine service for Russia.

The combined entity will operate under the Sulzer brand and be consolidated by Sulzer. Daniel Bischofberger, President of Sulzer's Rotating Equipment Services division, said, "Sulzer is excited to have Renova as a partner. Together we are taking our combined service business in Russia to the next level."

Sulzer Wins Order for Vital Cooling Water Pump Kits

The Forsmark Kraftgrupp, part of the Vattenfall company, has awarded Sulzer with the delivery of six GSG barrel-type pumps for the nuclear power plant in Forsmark, Sweden. The pump packages will be installed in the independent core cooling system of the units 1, 2, and 3 in order to provide cooling fluid to the reactor vessel in case of an emergency. The three reactors produce about one-sixth of the country's energy consumption.

The GSG cooling water pumps will be produced by the Sulzer factory in Bruchsal, Germany. It is one of the few factories in the world that is equipped to simulate a full string test—including the simulation of the plant's system curve before the pumps are installed in the power plant. The pumps, including the driving diesel engines, will be qualified for seismic resistance. The robustness and reliability of Sulzer's products was a main criterion for the pump selection.



GSG cooling water pumps produced in Bruchsal.

Sulzer Awarded With Red Dot for High-Quality Design

Sulzer's Synconta lifting station received the distinctive Red Dot Award for outstanding design in competition with thousands of products from all over the world. The Synconta is a brand-new approach to industrial design for Sulzer, accomplished in cooperation with the Irish design and innovation consultancy Dolmen.

The Synconta is a wastewater lifting station designed for low-pressure sewage systems. Its purpose is to collect wastewater from residential or commercial applications and discharge it to a standard gravity system.

The unit is designed to accept either a single- or double-pump assembly. Either of them can be pre-assembled outside the tank and then easily lowered into the chamber once the tank is seated into the ground. There is no need for the installation engineer to climb inside, which provides huge safety benefits. The new lifting stations type ABS Synconta 901B and 902B were introduced to the market in May 2016.



Synconta lifting station won the Red Dot Design Award.

"We are delighted to have received the Red Dot Design Award for the Synconta design," says Clive Patten, Head Municipal Water at Sulzer.

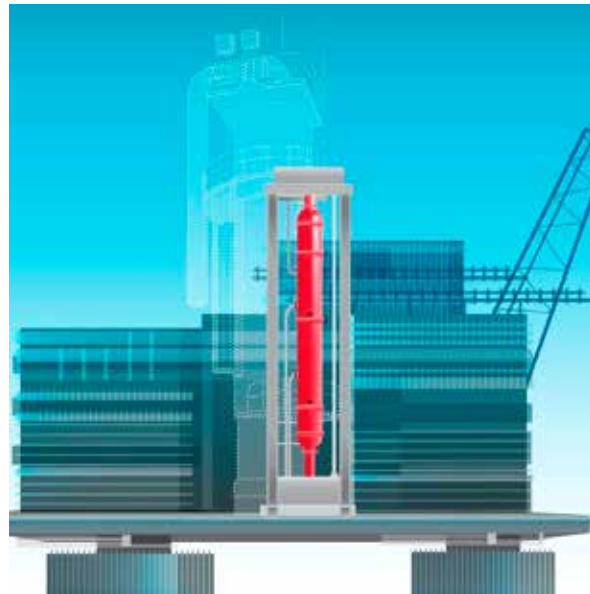
OTC Awards cMIST™ Technology for Innovation

At the recent Offshore Technology Conference (OTC) held in May 2017 in Houston, TX, USA, Sulzer received the Spotlight on New Technology Award for cMIST™ compact mass transfer and inline separation. This OTC Award recognizes industry players for their latest and most advanced technologies that are leading the oil and gas industry into the future.

The cMIST technology efficiently removes the water vapor present during the production of natural gas. This inline technology reduces the size, weight, footprint, and cost of the gas dehydration system and can be deployed at both land-based and offshore natural gas production facilities. ExxonMobil has licensed its new cMIST technology to Sulzer to facilitate deployment across the oil and gas industry.

The system consists of two parts: A droplet generator designed by ExxonMobil creates well-dispersed small droplets of glycol with a large surface area to absorb water from the natural gas. A HiPer™ inline separator designed by Sulzer, which provides efficiency in separating the rich glycol from the natural gas.

Gas dehydration systems with ExxonMobil's cMIST unit are 50% lighter than with traditional equipment. The cMIST unit also takes 70% less space than a conventional dehydration tower. That's important because it can



The cMIST™ (red) and conventional dehydration system (light blue) in comparison (Source: ExxonMobil).

effectively operate in space-challenged environments, such as offshore platforms. Like dehydration towers, cMIST units remove impurities, including water, from natural gas.

And the winner is...



The *Sulzer Technical Review* is read all around the globe — our subscribers are based across 122 countries. All those subscribers who signed up for the STR newsletter by May 15, 2017, were automatically entered into our prize drawing. We are pleased to announce that the winner is Mr. K. Vinay Rao, a mechanical engineer from Kolkata, India. Mr. Rao is deputy manager in the operations department of a thermal power station in Vindhyachal, India, owned by the company NTPC. He likes to read the *Sulzer Technical Review* to get regular information about the latest technological advancements in the power business.

NTPC is India's largest energy conglomerate. It planted its roots back in 1975 with the aim of accelerating power development in India. Since then, it has established itself as the dominant player in the power industry, with a presence in the entire value chain of the power generation business. From fossil fuels, it has forayed into generating electricity via hydro, nuclear, and renewable energy sources. This foray will play a major role in lowering its carbon footprint by reducing greenhouse gas emissions. Since its inception, NTPC Ltd has become one of India's largest power providers with an output capacity of over 50 000 MW.

The winner is Mr. K. Vinay Rao from NTPC, India.

Events

July 18–20, 2017	Power-Gen Africa	Johannesburg, South Africa	www.powergenafrika.com
August 29–31, 2017	24th International Workshop on Industrial Crystallization	Dortmund, Germany	www.apr.bci.tu-dortmund.de/cms/en/BIWIC2017
September 3–6, 2017	20th International Symposium Industrial Crystallization	Dublin, Ireland	www.isic20.com
September 5–8, 2017	SPE Offshore Europe 2017	Aberdeen, UK	www.offshore-europe.co.uk
September 12–14, 2017	46th Turbomachinery & 33rd Pump Symposia	Houston, TX, USA	http://pumpturbo.tamu.edu
September 19–21, 2017	Asia Power Week 2017 (incl. Power-Gen Asia)	Bangkok, Thailand	www.asiapowerweek.com/en/index.html
September 19–20, 2017	MakeUp in New York	New York, NY, USA	www.makeup-in-newyork.com/newyork-en
September 25–28, 2017	AOG 2017 Argentina Oil and Gas Expo	Buenos Aires, Argentina	www.aogexpo.com.ar/en
October 2–4, 2017	LuxePack Monaco	Monaco, MC	www.luxepack.com/en
October 2–6, 2017	Expoquimia	Barcelona, Spain	www.expoquimia.com/en
October 2–6, 2017	Fenasan 2017	São Paulo, Brazil	www.fenasan2017.com.br
October 3–5, 2017	Pacific 2017 International Maritime Exposition	Sydney, Australia	www.pacific2017.com.au
October 15–20, 2017	IDA World Congress 2017 Water Reuse & Desalination	São Paulo, Brazil	http://wc.idadesal.org
October 24–25, 2017	MakeUp in São Paulo	São Paulo, Brazil	www.makeup-in-saopaulo.com/saopaulo-en
October 24–26, 2017	CPhI worldwide & Innopack	Frankfurt, Germany	www.cphi.com/europe
October 25–28, 2017	Intercharm Moscow	Moscow, Russia	www.intercharm.ru/en
Oct. 29–Nov. 3, 2017	AIChE Annual Meeting	Minneapolis, MN, USA	www.aiche.org/conferences/aiche-annual-meeting/2017
November 13–16, 2017	ADIPEC 2017 The Abu Dhabi International Petroleum Exhibition & Conference	Abu Dhabi, VAE	www.adipec.com

Additional events online at www.sulzer.com/en/Resources/Events