

Press release

AkzoNobel, MTSA Technopower and Nedstack handed over world's first 2MW PEM fuel cell power plant to Ynnovate in China

Arnhem, October 14th, 2016

AkzoNobel Industrial Chemicals (AkzoNobel), MTSA Technopower (MTSA) and Nedstack fuel cell technology (Nedstack) have completed their delivery of the world's first 2MW PEM fuel cell power plant. This 2MW PEM fuel cell power plant is now installed on site at Ynnovate Sanzheng (Yingkou) Fine Chemicals Co. Ltd in Yingkou, Liaoning province, China, and will be used to add value to the waste hydrogen and generate 2MW of clean electricity. Generating approximately 20% of the power requirement for all customer's production processes, and with no greenhouse gasses emitted in the process, this new power plant lands a substantial contribution to a greener environment.



PEM Powerplant at Ynnovate, Yingkou

After installing the first 1MW PEM fuel cell power plant unit at Solvay Belgium in 2009, this is once again a major step in the market for large stationary PEM fuel cell applications.

AkzoNobel is responsible for the communication towards Ynnovate, MTSA is responsible for the design and construction of the fuel cell power plant and Nedstack provides the fuel cell modules, which form the heart of the system.



This project, supported by the European Union FCH-JU program, brought together again AkzoNobel, MTSA and Nedstack and making it a guaranteed success. Large delegations of specialists from the hydrogen and fuel cell industry as well as EU and Chinese officials joined us for the opening ceremony in October 13th, 2016 in Yingkou. We are excited to have them with us during the official ceremony to mark the launch in operation of the plant.

Ynnovate is the end user of the 2 MW fuel cell power plant, which is installed at the Ynnovate Industrial site at Yingkou, China.

AkzoNobel Industrial Chemicals creates essentials for daily life by manufacturing products and offering innovative solutions that are not only fundamental but are also essential building blocks for products people use very day. We supply industries worldwide with quality ingredients that are essential for manufacturing thousands of everyday products. Our portfolio includes high purity salt, chlorine, caustic lye, hydrochloric acid, chloromethanes and monochloroacetic acid (MCA).

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MTSA Technopower designs, builds, and maintains customer-specific equipment, installations, and special machines. MTSA Technopower offers innovative total solutions, ranging from feasibility studies and building right up to commissioning and service. All this by combining processing technology, mechanical engineering, electrical engineering, automation and instrumentation. MTSA Technopower provides distinctive know-how that can be focused when adapted to the customer's specific request

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Nedstack is a Dutch independent, and one of the world's leading, fuel cell manufacturer, producing Proton Exchange Membrane (PEM) fuel cells for stationary applications, such as telecom backup and PEM power plants, as well as for heavy duty transport. Founded in 1998 as a spin-off of Akzo Nobel, Nedstack has been able to deploy significant numbers of PEM fuel cell stacks in the world, gaining extensive experience on PEM fuel cell operation for different applications. Nedstack has shown very long lifetimes of their products in PEM power plants.

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