



Press release Smoltek Nanotech Holding AB (publ)

2025-09-30

This press release is an English version of the previously published Swedish version, which has interpretive precedence.

Smoltek Hydrogen strengthens technical expertise through leading industrial consortium

Smoltek Nanotech Holding AB (publ) (“Smoltek” or “the Company”) announces that the subsidiary Smoltek Hydrogen gets access to international research expertise from Chalmers University of Technology to refine and validate its electrode solutions for PEM electrolysis – an important step towards industrialization and commercial application. The project is operated within SESBC (Swedish Electricity Storage and Balancing Center), a leading Swedish industrial consortium with industrial and academic partners. In addition to Smoltek and Chalmers, the consortium includes Celcibus, Hymeth, Ionautics, Hydri Solutions, Hitachi Energy, Svenska kraftnät and Nanoscientifica.

As part of the consortium, an international researcher from Chalmers will join Smoltek's team to refine experimental methods for electrodes for PEM electrolysis. These new measurement techniques provide deeper insights into performance and degradation mechanisms, accelerating Smoltek Hydrogen's development of stable, high-performance electrodes.

Thanks to the collaboration, the company can refine and validate its electrode solutions for PEM electrolysis in close collaboration with key players in the Swedish hydrogen industry – an important step towards industrialization and commercial application.

“By combining industrial collaboration with world-class academic expertise, SESBC gives us a unique position to validate our technology in a broader context. The network includes key players in Sweden's hydrogen value chain, which is crucial to bring PEM electrolysis technology to industrial application”, says Fabian Wenger, Vice President Technology at Smoltek Hydrogen.

The SESBC consortium is funded by the Swedish Energy Agency and represents a national initiative to strengthen Sweden's position in electrochemical energy storage and conversion. For Smoltek Hydrogen, it strengthens the company's role as an important contributor to the Swedish hydrogen ecosystem and a driver for technology towards industrial application.

For further information

Ellinor Ehrnberg, President of Smoltek Nanotech Holding AB

E-mail: ellinor.ehrnberg@smoltek.com

Phone: +46 317 01 03 05

Website: www.smoltek.com/investors/en

Smoltek Nanotech Holding is a deeptech company that provides a technology that enables the production of conductive nanostructures on various materials. The company's nanostructure manufacturing technology can be used in several industrial sectors. Customers are found in the global process industry and semiconductors. The products that the company develops are used in equipment to produce fossil-free hydrogen and in semiconductors to further miniaturize microchips. The company protects its unique carbon nanotechnology through an extensive patent portfolio consisting of more than 110 applied for patents, of which 96 are currently granted. Smoltek's share is listed on the Spotlight Stock Market under the ticker SMOL. Smoltek is a development company and forward-looking statements regarding time to market, production volume and price levels should be interpreted as forecasts and not commitments.