

Permascand Top Holding AB
Press Release
November 4, 2022 15:30:00 CET

Cooperation and partnership lead to commercial energy supply

The successful co-development of the NORSCAND® electrolyser has now entered commercialization, as the first industrial electrochemical cells are shipped for use in lithium electrolysis demonstration-scale plants in the US and Europe. The cells make it possible to produce lithium hydroxide much more effectively through electrochemistry rather than the traditional method of a metathesis reaction between lithium carbonate and calcium hydroxide.

The collaborative partnership - started in 2013 between NORAM Electrolysis Systems Inc. (NESI) (Vancouver, Canada) and Permascand - resulted in the co-development of the NORSCAND® cell, a novel multi-compartment electrolysis cell specifically designed for salt-splitting of brines. The cell fills a critical gap in the renewable energy supply chains of the future – although Lithium Ion Batteries represent only one of the possible end-uses. The scalable production of lithium is crucial at a time when the world needs to switch from fossil fuels to electricity, given the central role played by lithium hydroxide in the manufacturing of batteries for electric vehicles, mobile phones, and computers.

“We are very pleased with the electrochemical cell NORSCAND® and the cooperation with NESI,” says Peter Lundström, CEO at Permascand. “The result speaks for itself and fits very well into our strategy and sustainability goals.”

“NESI’s partnership with Permascand has enabled the joint development of a new family of electrochemical cells, the NORSCAND® cell, which are uniquely suited to lithium electrolysis” says Jeremy Moulson, VP at NESI. “The partnership between NESI and Permascand is a shining example of how corporations can come together, using their independent expertise, to help provide solutions for a more sustainable future.”

About NORAM Electrolysis Systems Inc.

NORAM Electrolysis Systems Inc. (NESI) is a privately held Vancouver, BC, Canada based electrolysis technology company. NESI focuses on the commercial implementation of lithium electrolysis for a variety of lithium brine feedstocks (sulphate, chloride, or carbonate). NESI is a wholly-owned subsidiary of NORAM Engineering and Constructors and part of the NORAM Group of Companies. NESI has an extensive electrochemical demo plant located at its R&D facility in Vancouver, Canada. For more information please visit: www.nesi.tech

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About Permascand Top Holding AB

Permascand is an independent technology-driven manufacturer of electrochemical solutions based on proprietary catalytic coatings for clean tech applications. With a customer-centric focus, the company has supplied electrodes, electrochemical cells and aftermarket services to a variety of sectors for more than 50 years. Permascand is headquartered in Ljungaverk, Sweden, with operations including R&D, Technology Development and Production, with offices in Stockholm and Gothenburg, Sweden and Vancouver, Canada. For more information visit: www.permascand.com. Certified Adviser is FNCA Sweden AB, info@fnca.se, +46 (0) 8528 00 399.

Image Attachments

[NORAM HiRes 33 SitePartners 20220713 NE 148 Truck Leaving Permascand](#)

Attachments

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