



Ohmium and Aquastill Form Strategic Collaboration to Produce Green Hydrogen from Seawater

New application of sustainable desalination technology powered using waste heat to enable expansion of green hydrogen production

FREMONT, CALIFORNIA, and AMSTERDAM, 13 JULY, 2023 – [Ohmium International](#) (“Ohmium”), a leading green hydrogen company that designs, manufactures, and deploys advanced Proton Exchange Membrane (PEM) electrolyzers, today announced a strategic collaboration with [Aquastill](#), one of the leaders in modular membrane distillation technology that uses the sustainable power of waste heat for desalination. The collaboration will enable Ohmium to use desalinated seawater as an input in green hydrogen production.

By integrating Aquastill’s desalination capabilities with Ohmium’s modular green hydrogen electrolyzers, the collaboration will create new decarbonization opportunities for businesses operating in coastal areas by providing a more efficient, sustainable and affordable way of producing clean energy. In addition, the innovative integration of modular desalination units will facilitate new applications for cost-effective green hydrogen production, including co-locating PEM electrolyzers with offshore wind farms, to enable the production of green hydrogen at-source. Ohmium and Aquastill have begun assessing optimal integration of these technologies, with the intention of having these fine-tuned modules commercially available as soon as possible.

“This strategic collaboration is a great example of how the innovative integration of Ohmium and Aquastill’s technologies can enable the expansion of green hydrogen production to new sectors and geographies that might not otherwise have been able to benefit from competitive clean energy production,” said Arne Ballantine, CEO of Ohmium International. “Utilizing Aquastill’s membrane distillation technology to efficiently produce green hydrogen from seawater has the potential to be a game changer for companies operating in coastal or rural regions that want to affordably and sustainably decarbonize.”

Aquastill’s technology is powered by the residual heat from Ohmium’s electrolyzers and the membrane distillation process simultaneously provides additional cooling capabilities for the electrolyzer. Unlike other desalination technologies, waste heat membrane-based distillation effect on the process energy requirements is minimal. These advanced desalination modules



feature a modular and compact system design, making them easily transportable to wherever clean water is needed.

“We are excited to be working with Ohmium, to successfully pair their cutting edge PEM electrolyzers with our membrane distillation technology - providing an ideal platform to expand the transformational impact of green hydrogen production to other industries,” said Bart Nelemans, CEO of Aquastill. “We have already begun to test the integration of our respective technologies, and we are confident that as a result of this joint collaboration we will be able to produce cost-competitive green hydrogen from seawater, while simultaneously helping decarbonize the operations of companies operating in coastal regions,” .

Contact details:

Antenna

Theo Carroll – Account Supervisor
Tel: +1 646 597 6328
Email: Ohmium@antennagroup.com

Ohmium International

Rachel Mountain – Director, Global Marketing
Tel: +44 (0)7446733741
Email: rachel.mountain@ohmium.com

About Ohmium:

Ohmium designs, manufactures and deploys modular, scalable proton exchange membrane (PEM) electrolyzers that enable cost-competitive green hydrogen production. The company’s suite of electrochemical products helps customers achieve their sustainable energy goals for industrial, transportation, and energy projects. Headquartered in the United States, with manufacturing facilities in India and operations worldwide, Ohmium has a global green hydrogen project pipeline of more than 1.6 GW across three continents. Ohmium raised \$250 Million in Series C financing, led by TPG Rise Climate.

Ohmium’s Proton Exchange Membrane (PEM) Electrolyzers

Ohmium manufactures modular interlocking PEM electrolyzers that integrate advanced power electronics, delivering dynamic value for a wide range of commercial and industrial applications in terms of safety, installation cost and speed, energy density, scalability, and ramp rate. Individual, compact electrolyzers can be easily stacked to significantly reduce installation and maintenance costs and the standardized design enables rapid scaling from megawatts to gigawatts. Ohmium’s patented electrolyzer technology features dynamic ramping capabilities, making it suitable to pair with renewable electricity.



For more information, please visit www.ohmium.com

About Aquastill:

Sustainable Thermal Desalination powered by residual heat or solar heat: produce more potable water with less energy or with less brine.

Aquastill is the global technology leader in the field of membrane distillation (MD). Our innovative technology can desalinate water at competitive costs and with minimal impact on the environment. Using residual or solar heat to power the process sustainably. With Aquastill you can desalinate water while reducing your carbon footprint.

Aquastill is a partner that operates in the delta of science, technology and business. Combining renewable energy with a unique patented technology achieves results that only Aquastill can offer.