

## **Ionomr Innovations awarded development grant from Chilean company Molymet to work on demonstration of rhenium catalysts in AEM electrolysis**

**Vancouver, B.C. / San Bernardo, Chile – January 11, 2022** -- Ionomr Innovations Inc. has been selected by [Molymet, the lead Molybdenum processor and Rhenium producer worldwide](#), to receive a development grant as part of the **Re-Imagine Challenge**, an innovation contest for the development of green hydrogen using rhenium.

Ionomr has developed breakthrough Aemion+® membrane technology for industrial-scale green hydrogen production by water electrolysis. Aemion+® alkaline membranes are ultra-stable Anion Exchange Membranes (AEMs) designed to eliminate the traditional expensive components for water electrolysis -- like iridium, platinum, and titanium, replacing these with less expensive materials while maximizing performance. Ionomr will explore and implement rhenium as catalyst or co-catalyst at the cathode of AEM water electrolyzers.

“We are excited to work with companies like Molymet that see the potential of Ionomr’s materials to lower the cost of electrolysis and green hydrogen,” said Benjamin Britton, Ionomr’s Co-Founder and Chief Strategy Officer.

[Molymet](#) launched its Global Open Innovation Challenge as part of the Rhenium Market Development Program, in collaboration with [NineSigma](#). The contest aims to explore rhenium’s application in the production and uses of green hydrogen, given its excellent electro-catalytic characteristics, costs, and sustainability, compared to the platinum group metals (PGMs) typically used in these systems.

“We are encouraged by the advances Ionomr has already achieved with its polymers and membranes for AEM electrolysis and are excited to see what further application they may find with rhenium,” said Mario Lama, Molymet’s Market Development Executive Manager.

### **About Ionomr Innovations**

Ionomr Innovations develops and markets ion-exchange membrane and polymer products for clean technology solutions including fuel cells, hydrogen production, and a range of energy storage applications. Ionomr’s Pemion® and Aemion™ technologies provide breakthrough cost, performance and sustainability advantages for fuel cells, hydrogen production, energy storage, advanced batteries, and carbon capture processes. The Company’s R&D and manufacturing facilities are based in Vancouver, Canada – the global hub for fuel cell research and development. [www.ionomr.com](http://www.ionomr.com).

– 30 –

Media Contact: Nancy McHarg | [nancy@mchargcommunications.com](mailto:nancy@mchargcommunications.com) | (604) 760-4366