

Cipher Neutron, dynaCERT's Partner, Receives Purchase Order from Blade Hydrogen in Taiwan for its AEM Electrolysis Technology

written by Raj Shah | July 7, 2023

July 7, 2023 ([Source](#)) – (TSX: DYA) (OTCQX: DYFSF) (FRA: DMJ) *dynaCERT Inc.* (“*dynaCERT*” or the “Company”) and its AEM Green Electrolyser partner, Cipher Neutron Inc. (“Cipher Neutron”, “CN”) are pleased to jointly announce that Cipher Neutron has received an initial purchase order from Blade Hydrogen Technology Co. (“Blade Hydrogen”) for a 10-Kilowatt AEM Green Hydrogen Electrolyser stack.

The AEM Green Hydrogen Electrolyser stack will be manufactured in dynaCERT's production facilities in Toronto pursuant to the Collaboration Agreement between *dynaCERT* and Cipher Neutron dated February 17, 2023. In addition to having options to purchase up to the current 50% of equity in Cipher Neutron, *dynaCERT* also owns half of the AEM Green Electrolyser technology that is being developed by Cipher Neutron.

About Blade Hydrogen

Blade Hydrogen is a dedicated fuel cell manufacturing and development company in Taiwan and is a spin-off of the fuel cell development department of the Industrial Technology Research Institute (“ITRI”) of Taiwan. In 2022, ITRI had released a technological development plan for the application of hydrogen energy in Taiwan, in keeping with the nation's aim of achieving

net zero carbon emission by 2050.

Blade Hydrogen has advocated the importance of electrolysis to produce green hydrogen in Taiwan for many years. With its past abundant system integration experience in green hydrogen, Blade Hydrogen has indicated that it will continue to maintain a close co-operation with Cipher Neutron regarding Cipher Neutron's Green Hydrogen Electrolysers.

Taiwan Hydrogen Electrolyser Market

The Taiwanese government has prioritized hydrogen energy, especially green hydrogen which can help reduce carbon emissions emanating from industry. In the future, the application of green hydrogen will be rapidly promoted in Taiwan for use in thermal power plants, the steel industry, semiconductors, and green vehicle applications.

Follow Up After Successful implementation of 10 kW AEM Electrolyser Stack

Blade Hydrogen expects to place a follow up purchase order of Megawatt capacity after the successful implementation of an initial 10-Kilowatt AEM Green Hydrogen Electrolyser system supplied by Cipher Neutron. This initial 10-Kilowatt system will be used for a project in Taiwan for stationary power generation use.

Mark Lin, Vice President of Blade Hydrogen stated "Cipher Neutron's AEM technology fits perfectly with our ongoing projects across Taiwan. We are thrilled to launch PFAS-free and PGMs-free AEM electrolyser technology for a greener and sustainable future of Taiwan and for the rest of the world. Cipher Neutron's upcoming products which include 100 kilowatt and 250 kilowatt AEM electrolysers will be the game changers for the international Hydrogen Economy, and we are proud to be a

part of this transition period.”

Gurjant Randhawa, President and CEO of Cipher Neutron, stated, “Cipher Neutron is very pleased to collaborate with Blade Hydrogen on its ongoing green hydrogen projects. The team at Blade Hydrogen are experts in green hydrogen and have successfully completed several projects worldwide. We commend Blade Hydrogen for its leadership in Green Hydrogen and fuel cell adoption.”

Jim Payne, President & CEO of *dynaCERT*, stated, “*dynaCERT* is delighted to see the ongoing progress at Cipher Neutron and welcomes Blade Hydrogen as its client. Our semi-automated assembly plant in Canada is well-suited for the manufacturing of AEM Green Electrolysers and our shipping, inventory management systems and dedicated people stand at-the-ready to assist Cipher Neutron to expedite its purchase orders.”

About Cipher Neutron Inc.

Cipher Neutron is a rapidly growing disruptive technology company focused on AEM Electrolysers for Green Hydrogen production and Reversible Fuel Cells for power generation and Energy Storage Solutions. Cipher Neutron is a global group of scientists, engineers, technology developers, experts in hydrogen technology, investment bankers and people that have worked in hydrogen for decades. Cipher Neutron’s innovative products, such as AEM Electrolysers and Reversible Fuel Cells have unique advantages over other Green Hydrogen production, power generation and energy storage solutions currently available in the global market. Please see: <https://cipherneutron.com>

About *dynaCERT* Inc.

dynaCERT Inc. manufactures and distributes Carbon Emission

Reduction Technology along with its proprietary HydraLytica™ Telematics, a means of monitoring fuel consumption and calculating GHG emissions savings designed for the tracking of possible future Carbon Credits for use with internal combustion engines. As part of the growing global hydrogen economy, our patented technology creates hydrogen and oxygen on-demand through a unique electrolysis system and supplies these gases through the air intake to enhance combustion, which has shown to lower carbon emissions and improve fuel efficiency. Our technology is designed for use with many types and sizes of diesel engines used in on-road vehicles, reefer trailers, off-road construction, power generation, mining and forestry equipment. Website: www.dynaCERT.com.

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Except for statements of historical fact, this news release contains certain “forward-looking information” within the meaning of applicable securities law. Forward-looking information is frequently characterized by words such as “plan”, “expect”, “project”, “intend”, “believe”, “anticipate”, “estimate” and other similar words, or statements that certain events or conditions “may” or “will” occur. In particular, information relating to Blade Hydrogen Technology Co. cannot be independently verified and information relating to Cipher Neutron Inc. and its AEM electrolyzer technologies cannot be independently verified. Although we believe that the expectations reflected in the forward-looking information are reasonable, there can be no assurance that such expectations will prove to be correct. We cannot guarantee future results, performance or achievements. Consequently, there is no representation that the actual results achieved will be the same, in whole or in part, as those set out in the forward-looking information. Forward-looking information is based on the opinions and estimates of management at the date the statements

are made and are subject to a variety of risks and uncertainties and other factors that could cause actual events or results to differ materially from those anticipated in the forward-looking information. Some of the risks and other factors that could cause the results to differ materially from those expressed in the forward-looking information include, but are not limited to: uncertainty as to whether our strategies and business plans will yield the expected benefits; availability and cost of capital; the ability to identify and develop and achieve commercial success for new products and technologies; the level of expenditures necessary to maintain and improve the quality of products and services; changes in technology and changes in laws and regulations; the uncertainty of the emerging hydrogen economy; including the hydrogen economy moving at a pace not anticipated; our ability to secure and maintain strategic relationships and distribution agreements; and the other risk factors disclosed under our profile on SEDAR at www.sedar.com. Readers are cautioned that this list of risk factors should not be construed as exhaustive. The forward-looking information contained in this news release is expressly qualified by this cautionary statement. We undertake no duty to update any of the forward-looking information to conform such information to actual results or to changes in our expectations except as otherwise required by applicable securities legislation. Readers are cautioned not to place undue reliance on forward-looking information.

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***On Behalf of the Board of dynaCERT Inc.
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