

TECO 2030 and Skeleton Technologies enter a strategic partnership to boost zero-emission technologies

(Lysaker, Norway, June 7th 2023) TECO 2030 (OSE: TECO, OTCQX: TECFF, ISIN: NO0010887516) and Skeleton Technologies have entered into a strategic partnership to accelerate the use of renewable hydrogen in the maritime sector and demonstrate zero-emissions voyage and port operations. Skeleton Technologies is a global technology leader in high power, fast charging energy storage for transportation, grid, automotive and industrial applications.



TECO 2030 Booth at Nor-Shipping 2023: TECO 2030 and Skeleton Technologies enter into a strategic partnership to boost renewable hydrogen as a zero-carbon fuel for the maritime sector. From left, TECO 2030 COO Tor-Erik Hoftun and Director of Business Development Fredrik Aarskog, together with Sales Director Kersten Eero from Skeleton Technologies on the right.

As a first step, Skeleton's SuperBattery shall be integrated with TECO 2030's fuel cell modules in the HyEkoTank project, the largest marine fuel cell retrofit projects in the world, led by TECO 2030, Shell, and other consortium partners from three European countries (Norway, Sweden, and Netherlands). Skeleton Technologies and TECO 2030 will then aim to develop joint solutions combining TECO 2030's hydrogen fuel cells and Skeleton's SuperBattery to enable the maritime industry's transition to net-zero, based on Skeleton's work in the HydroCap project funded by the Estonian government.

The HyEkoTank project started on February 1st, 2023, in Lysaker, Norway, and is planned to last for 3 years, with the goal of eliminating carbon emissions during voyage and in port operations. TECO 2030

will retrofit six 400 kW Fuel Cell Modules in a container solution and demonstrate power supply for both propulsion and auxiliary loads using hydrogen with zero emissions as fuel.

Skeleton's SuperBattery modules will sharply increase fuel cells' performance and lifetime by reducing the requirement for peak power from the fuel cell.

"We are thrilled to announce this strategic partnership with TECO2030, one of the global leaders in green maritime technology. There are many synergies between our companies, as Skeleton is focused on reducing CO₂ emissions in hard-to-decarbonize sectors and the maritime industry is surely one of them. We are confident our SuperBattery product can contribute to its transition towards net-zero by being a key enabling and complementary technology for fuel cell powered ships. Our SuperBattery shall first be integrated with TECO 2030's fuel cell modules in the HyEkoTank project, whose consortium includes another key partner for Skeleton – Shell - with whom we collaborate on the electrification of mining sector. We are hopeful many opportunities will arise from this new partnership with TECO 2030", states Taavi Madiberk, CEO and co-founder of Skeleton Technologies.

"On a fuel cell powered ship all energy is generated by the fuel cell and it is optimal to supply that energy directly to the consumer when possible. Therefore, large battery energy storage capacity is typically not needed on a ship. However, a fuel cell system needs a few seconds to react to load changes so a high-power battery for peak-shaving is the perfect match. Combining the compact and dynamic FCM400 marine fuel cell from TECO 2030 with the high-power SuperBattery from Skeleton significantly reduces the installation space needed in the HyEkoTank project. In addition, this solution will be cheaper, safer and more sustainable than a conventional lithium-ion battery solution," says Fredrik Aarskog, Director of Business Development in TECO 2030.

Skeleton's SuperBattery is a perfect fit for TECO 2030's fuel cells due to its power, safety, lifetime, and recyclability, therefore contributing to a joint solution to retrofit fleets and significantly reduce their GHG emissions cost-effectively.

The HyEkoTank is a project funded by the European Union under the Horizon Europe programme to develop optimised hydrogen fuel cell solutions for maritime applications and accelerate the achievement of climate neutrality of both sea-going and inland waterway waterborne transport.

Shipping is considered as a hard-to-decarbonize sector and its CO₂ emissions accounts for 2.89 % of the world's emissions. The industry needs modular systems applicable for retrofit and newbuild, capable of reducing emissions and enable flexibility. Renewable hydrogen is seen as the best solution to enable the sector's decarbonization goals, but fuel cells need complementary technologies such as Skeleton's SuperBattery to increase their performance and lifetime. The solution may eventually be used beyond the maritime sector, in heavy duty trucks, rail, shorepower, and construction. Skeleton is already involved in the project „HydroCap“ funded by the Estonian government to explore these additional applications.

TECO 2030, a spin-off from TECO Maritime Group, is building Europe's first Proton exchange membrane (PEM) fuel cells gigafactory in Norway. The factory is planned to start production as soon as possible in 2024, with an annual output of 400MW in 2025 and 1,600MW of fuel cells by 2030.

About TECO 2030 ASA:

TECO 2030 is building up Europe's first Giga production facility of hydrogen PEM fuel cell stacks and modules in Narvik, Norway. The production capacity will be built up through 2023 and early 2024, targeting an output capacity of up to 120 MW of fuel cells in 2024, 400 MW in 2025 and 1.6 GW in 2030.

TECO 2030 is a Norwegian based clean tech company developing zero-emission technology for the maritime and heavy industry. We are developing PEM hydrogen fuel cell stacks and PEM hydrogen fuel cell modules, that enable ships and other heavy-duty applications to become emissions-free. The company is listed on Euronext Growth on Oslo Stock Exchange under the ticker TECO and in New York, OTCQX under the ticker TECFF. TECO2030 is a spinoff from TECO Maritime Group, a group that has provided technology and services to the global shipping industry since 1994. For more information, please visit www.teco2030.no.

Press Contact:

Tore Enger,

Group CEO,

+47 920 83 800

tore.enger@teco2030.no

About Skeleton Technologies

Skeleton Technologies is a Global Cleantech 100 company and a technology leader in high power, fast charging energy storage for transportation, grid, automotive, and industrial applications.

For us, developing and producing the best energy storage solutions is a means to an end: helping companies to reduce CO2 emissions and save energy.

We work with some of the largest companies in the world - from European automotive companies, industrial equipment OEMs to truck fleet operators and aerospace prime contractors. Our products decrease CO2 emissions and fuel consumption, improve power quality, and empower wider electrification of the biggest industries globally to fight climate change.

Our supercapacitor and SuperBattery energy storage technologies, based on patented curved graphene, represent the biggest technological advancement in the industry in the last 20 years and the use of this innovative material provides our products with an unparalleled advantage in power and energy density.

Skeleton Technologies Group has four main locations: its manufacturing in Großröhrsdorf, sales in Berlin, materials development in Bitterfeld-Wolfen, and electrical engineering and module development in Tallinn, Estonia. In 2024, we will open the largest supercapacitor factory in the world in Markranstädt, Germany.

Press Contact:

Arnaud Castaignet

Vice President of Public Relations & Government Affairs

+372 5669 9602

arnaud.castaignet@skeletontech.com

Skeleton Technologies

info@skeletontech.com

www.skeletontech.com