

Letters of Interest



1 (1)

To whom it may concern

Staffan Sandblom

Solna 2023-04-28

Re: Circular Water Technologies AB – Applying for funding from EIC Accelerator Program

LETTER OF RECOMENDATION

Dear Madam / Sir,

As a result of the positive results obtained at the laboratory of Xzero, a subsidiary of Scarab, as well as in the industrial pilot plant at the Henriksdal sewage water treatment plant, Stockholm, Fortum has tested and evaluated Circular Water Technologies (CWT) technology in various projects related to water purification.

Fortum Hydrogen has decided to explore how to fit the technology into our own projects in development on the Nordic market, based on the shortage of water during the hot periods in many parts of the Nordic region. This is not only specific for the Nordics, it is a problem in many other parts of the world.

To be able secure feed water to hydrogen production and help the industry in the transition to emission free production, we need to be able to use other water sources, such as for example circulated waste- and sewage water or seawater. Fortum considers CWT solutions to have this flexibility and, by using the excess heat from the electrolyser in the purification step, CWT's solution contributes to cost efficiency in the operations. Fortum continues to be positive to provide support, so that CWT can reach a commercial readiness for their technology. Therefore, we strongly support CWT's efforts to secure the necessary means needed to achieve industrial scale production of their technology.

Sincerely,



Staffan Sandblom
Head of Hydrogen Development
Fortum

Division

Postal Address

Visiting Address

Phone/Fax

Business ID
VAT Reg.No
Domicile

Company

Letters of Interest



Letter of intent, in support of the Proposal by Circular Water Technologies AB
(EIC Accelerator)

Malmö 2023-05-30

Uniper, an international energy company, intend to have their power business in Europe to be carbon-neutral by 2035, in part by adding 1.5-2 GW of solar and wind capacity by 2025. Uniper is also a global energy trader and a leading European gas company with a diversified portfolio of long-term contracted volumes amounting to roughly 400 TWh annually. In addition, Uniper designs and implements innovative, climate-friendly solutions that propel cities, utilities, and industrial enterprises on their decarbonization journeys. Being an acknowledged hydrogen pioneer, Uniper has the ambition to operate worldwide along the entire hydrogen value chain and to conduct projects that will help make hydrogen a mainstay of tomorrow's energy supply.

We (Uniper) understand that you (Circular Water Technologies) are preparing an application for public funding under the EIC Accelerator Program to finalize and demonstrate in industrial environment the novel UPW purification system for green hydrogen production via electrolysis.

With this letter, we express our interest in this technology that supports our decarbonization efforts and our ambition to shape the hydrogen sector.

The future outcome of this technology is intriguing for hydrogen manufacturers and industries greening their production with the use of hydrogen.

Uniper, via its Swedish company Sydkraft Hydrogen AB is very much interested in the demonstration of your technology, and we strongly support its continued development. We look forward to the next endeavors regarding the project results and any potential commercial collaboration in the future.

This letter is not intended to, and does not, constitute, imply or otherwise impose any commitment or obligation on Uniper.

Uniper
Sydkraft Hydrogen AB

Sign: 

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Title: Managing Director

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Letters of Interest

Boden 2023-05-31

Letter of Recommendation

Regarding the Circular Water Technologies AB application for funding from the EIC Accelerator Program

To whom it may concern,


H2 Green Steel is transforming the hard-to-abate industries starting with steel with their first industrial project in Northern Sweden, outside the city of Boden. Green hydrogen production based on green electricity feeding electrolyzers is the backbone of the company. That process requires very clean water and generates waste heat at lower temperatures. Other parts of the steel plant will also require clean water and generate waste heat. To be fully sustainable, we are actively look for circularity for any byproduct such as waste heat.

H2 Green Steel is also a company transforming how big industries work by starting from scratch without legacy. To support that, we are constantly looking for new technology that can drive that transformation, both for our core processes – green hydrogen, green steel and green steel production – and for supporting processes such as utilities – power, water and gases.

Therefore, the water treatment technology being developed by *Circular Water Technologies* is very interesting for H2 Green Steel since it combines the demand for pure water using waste heat that is available. The challenge to apply the technology to a large-scale industry is the scaling up and proving that the modularized setup can manage big flow rates and industrial water qualities for sustained reliable production. These are necessary steps to take.

We see a great potential for *Circular Water Technologies* and would happily recommend their application and follow their next steps of development.

Best regards,


Fredrik Engström
Head of Global Utilities Solutions
H2 Green Steel AB

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H2green steel