

Gen2 Energy partner with Sirius Design & Integration to develop world's first carrier for containers with compressed hydrogen

(Lysaker, Norway, April 11th, 2022) **Gen2 Energy AS has signed contract with Sirius Design & Integration AS for the design of two specialized ships for transport of large quantities of containers with compressed hydrogen.**

The two container carriers of Gen2 Energy are large vessels that will be about 190 meters long and have a load capacity of 500 pieces. 40-foot containers. The vessels will be designed with the aim of leaving the least possible climate footprint. Using hydrogen in the propulsion systems of the vessels will be part of the design work. The ship design work is well underway.

- This agreement is a definitive breakthrough for us and shows that we have brought with us the best of the best, says CEO Håvard Sætre in Sirius Design & Integration.

- We have set ourselves the goal of contributing to sustainable designs and solutions, so that our customers in the international maritime and marine industry can grow safely, green and profitably. Therefore, it is very gratifying that our first contract is a ship design and a customer with a green profile throughout the value chain, says Erik Haakonsholm, CCO in Sirius Design & Integration.

Gen2 Energy is currently developing large scale production of hydrogen in Mosjøen, Norway. As part of the volume will be exported to countries in Northern Europe, a safe, effective and green method for transporting large number of containers with compressed hydrogen will be required. Seaborn transport is a natural choice, but there are currently no vessels approved for carrying a large amount (>100) of containers with compressed hydrogen gas.

- The transportation of hydrogen is challenging, and we are very excited to be in the forefront of the development of technology, enabling cost effective, safe, and green logistical solutions. By working jointly with the experienced team of Sirius D&I we feel confident that we will reach our set goals and be ready to deliver hydrogen to our clients when our productions start, says Jonas Meyer, CEO of Gen2 Energy

In addition to incorporating important safety aspects, Sirius will also develop an energy efficient ship that can operate on zero emission fuels.

Gen2 Energy has, in partnership with DNV and HYEX Safety, used a risk-based approach method to identify requirements and recommendations for the design, with the purpose of ultimately reaching an Approval in Principle (AiP), for a specialized container vessel that can safely carry a larger quantity of hydrogen containers per shipment.

For more information, please contact:

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About Sirius Design and Integration

Sirius Design & Integration AS is an independent ship designer and system integrator of innovative and new green technology for the international maritime and marine industry. Sirius D&I is an advisor on new fuels and zero emission solutions and provides ship designs and electrical system solutions fit for alternative power sources, both for new builds and retrofit project.

For more information, please visit <https://siriusdi.com/>

About Gen2 Energy

Gen2 Energy is a Norwegian company dedicated to develop, build, own and operate an integrated value chain for green hydrogen. The company target to have several large-scale production facilities for green hydrogen located in Norway and Northern-Europe as well as a distribution network ensuring customers safe and reliable delivery. We also aim to use low/zero emission fuel in our distribution system, taking a wholistic view on the environmental footprint of the hydrogen value chain.

For more information, please visit www.gen2energy.com