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## **Technical University Delft Solar Boat Team collaborates with Camfil to promote renewable energy in the maritime sector**

Stockholm, Sweden, 17<sup>th</sup> March 2021 - The Technical University Delft Solar Boat Team in The Netherlands consists of 21 ambitious students who will go through the process of designing, producing, and finally racing a sustainable boat that runs on green energy. With this team, TU Delft shapes the engineers for a sustainable future, and this year Camfil is part of the collaborative partnership to provide aerodynamically optimized, custom-made filtration solutions for the hydro motion boat. The boat runs on hydrogen which is ideal for storing green energy and has enormous potential.

This goal is to inspire the entire [maritime industry](#) by showing what is possible with a hydrogen boat.

The boat will face real-time challenges in the marine environment during the race. It is known that sea salt, water droplets, humidity, and dirt can wreak havoc in a marine environment and threatens the operation. The air filtration systems will protect valuable equipment and people on the boat. Camfil's robust filtration system with long-life will help reduce maintenance and protect from corrosive contaminants like supersaturated salt crystals at sub-micron levels while facing strict weight and space restrictions.

"Camfil's custom solution, CamVane for outside the boat is made of specially designed profiles which can effectively capture the water droplets from the air stream along with corrosion protection. On the inside, custom-made CamClose will act as a coalescer to catch and drain out any small water droplets that pass by the CamVane. This minimizes the amount of water that reaches the final filter and thereby also the risk that any water will get pushed through the final filter or the final filter sealing to the duct in the long run." - Kenny Hedlund, Director R&D Europe, Camfil

Also on the inside of the boat, our air intake panel filter with CamGT media is used that is a high efficiency, incinerable compact filter with a heavy-duty design. This filter is made to have great performance in coastal and offshore environments.

*"Camfil's technology and product design specifically befits with our project. The filters are custom-made for the solar boat and fit down to every millimeter that allows us to protect our fuel cell from salt and seawater while sailing. As a partner, Camfil is very considerate, innovative in terms of solutions, and exceptional with speedy delivery." - Gerard Wiegersma, Engineer, Technical University Delft Solar Boat Team*

This collaboration will help the TU Delft Solar Boat Team inspire and encourage the maritime sector to transit towards green energy. There is still a lot to be gained in this sector and by thinking together with the maritime world and innovating in the field of sustainability, the team contributes to a better and greener future.

Find the full case study [here](#).

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For more than half a century, Camfil has been helping people breathe cleaner air. As a leading manufacturer of premium clean air solutions, we provide commercial and industrial systems for air filtration and air pollution control that improve worker and equipment productivity, minimize energy use, and benefit human health and the environment. We firmly believe that the best solutions for our customers are the best solutions for our planet, too. That's why every step of the way – from design to delivery and across the product life cycle – we consider the impact of what we do on people and on the world around us. Through a fresh approach to problem-solving, innovative design, precise process control, and a strong customer focus we aim to conserve more, use less, and find better ways – so we can all breathe easier.

The Camfil Group is headquartered in Stockholm, Sweden, and has 33 manufacturing sites, six R&D centres, local sales offices in 30 countries, and 4,800 employees and growing. We proudly serve and support customers in a wide variety of industries and in communities across the world. To discover how Camfil can help you to protect people, processes, and the environment, visit us at [www.camfil.com](http://www.camfil.com).

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