Halton Marine delivers 20th energy efficiency retrofit solution on board a large cruise ship

Lahti, Finland, November 17, 2023 – The global cruise industry is undergoing a transformation after the Covid-19 pandemic and its major impact on the industry. Tighter emissions regulations, the increased cost of fuels as well as the general drive towards sustainability are also having a profound effect on the industry. Halton Marine, a technology leader in HVAC energy-efficiency solutions, has emerged as a key player in this industry shift by delivering a growing number of retrofit energy-efficiency upgrades to major cruise ships.

Despite the return of passengers to cruise vacations, the cruise industry is witnessing a decrease in the number of new builds ordered in comparison to pre-pandemic levels. Cruise operators are now channelling growing number of resources into refurbishing and modernizing their current fleets.

The reduction in new build projects has prompted cruise ship suppliers to diversify their offering to help their clients improve the operational efficiency of their existing fleet. Simultaneously, a clear demand for sustainable shipping practices has emerged from cruise owners, the market, regulatory bodies, and organizations such as the International Maritime Organization (IMO). Manufacturers and suppliers are under increasing pressure to provide environmentally friendlier solutions.

Halton Marine has been at the forefront of innovation in energy-efficient HVAC solutions for over two decades. The company has responded to market demands by making its energy-efficient solutions available as retrofit packages that can be seamlessly integrated into existing ship systems.

"We have had the privilege of supplying an increasing number of our energy-efficient solutions to ships this year with our partners, and the trend appears to be gaining even more momentum for the next year," said Sami Piirainen, Managing Director of Halton Marine. "Owners have been particularly interested in our M.A.R.V.E.L. demand-based ventilation for galleys, which can deliver substantial energy savings. It has been estimated that this upgrade can reduce galley ventilation energy consumption by up to 40% compared to traditional systems. This translates into both financial and environmental benefits, making the investment pay for itself relatively quickly." Sean S. Grigsby, Managing Director of Halton Marine Americas, added, "We have recently completed 20th refit on board with our partner, and we are expecting an increasing number of new orders."

This year alone, the implementation of Halton Marine’s M.A.R.V.E.L. solutions aboard various ships has led to an impressive reduction in carbon emissions, achieving an estimated savings of 7,000 tons of CO2 which is equivalent to emissions of over 600 new cars in use in a year.

In addition to galley ventilation, Halton Marine has solution also for cabin ventilation which is another significant energy consumer on board cruise ships. By modernizing the stand-alone cabin ventilation units and connecting them into a network, energy can be saved by optimizing the Air Handling Unit's fan speed and supply air temperature according to real demand.

As the cruise industry continues to evolve, Halton Marine remains committed to providing customers with innovative solutions to enhance energy efficiency, reduce operational costs, and minimize their environmental impact.
For more information about Halton Marine and its energy-efficient retrofit solutions, please visit www.halton.com.

About Halton Marine

Halton Marine is a provider of energy-efficient ventilation solutions for the maritime industry. With a focus on sustainability and innovation, Halton Marine delivers cutting-edge systems that optimize energy usage, improve indoor air quality, and reduce environmental impact on ships worldwide.

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Halton Group is a global technology leader in indoor air solutions for demanding commercial and public premises, workspaces, healthcare institutions and laboratories, professional kitchens, ships, and energy production and industrial environments. Halton’s mission is to provide its end-users with safe, comfortable, and productive indoor environments that are energy-efficient and comply with sustainable principles. The company was founded in Finland in 1969. Today, Halton Group employs over 1,900 people in nearly 40 countries. The company’s turnover in 2022 was 290 million USD (Eur 270 million).