



Carnival Corporation Installs Environmentally Innovative Food Waste Biodigesters

May 4, 2022

World's largest cruise company installs nearly 600 advanced biodigester machines across its global fleet

Investment in green food waste processing technology to naturally break down food waste supports company's waste management objectives, as part of long-term sustainability goals

MIAMI, May 4, 2022 /PRNewswire/ -- [Carnival Corporation & plc](#) (NYSE/LSE: CCL;NYSE: CUK), the world's largest cruise company, today announced it has completed the installation of nearly 600 food waste biodigesters across its fleet in support of ongoing food waste management and reduction efforts as part of its overall commitment to environmental compliance. The innovative technology has been added to ships from the company's nine cruise line brands – Carnival Cruise Line, Princess Cruises, Holland America Line, Seabourn, P&O Cruises (Australia), Costa Cruises, AIDA Cruises, P&O Cruises (UK) and Cunard.

The biodigester technology uses a natural aerobic digestion process inside each machine to efficiently break down food waste utilizing a mix of beneficial microorganisms, enabling the systems to process anything that can be consumed by a human. Able to perform automated digestion 24 hours per day, the biodigesters are strategically placed in key areas of the ship where food is processed, further improving onboard operations by making it easier and more efficient for crew members to manage and control food waste. Additionally, the machines capture non-food items or other materials accidentally mixed with food waste, providing an additional layer of protection for environmental compliance on each ship.

Since first piloting the technology in 2019, Carnival Corporation and its nine global cruise line brands have continued to expand the use of these systems across their fleets. Most recently, the company's namesake brand, Carnival Cruise Line, announced it is the first major cruise line to employ biodigesters across its entire fleet as the brand returns its final of 23 total ships to guest operations this month. As Carnival Corporation's entire fleet returns to operations this year, its full lineup of brands will continue to see benefits from improved food waste management as additional biodigesters come online, further strengthening environmental performance across the company's global operations.

The fleetwide biodigester installation supports Carnival Corporation's aggressive food waste management objectives, as part of its 2030 sustainability goals. These goals support the company's circular economy focus area by including a commitment to achieve a 30% reduction in unit food waste by 2022 and a 50% reduction in unit food waste by 2030, as outlined in the company's latest sustainability report. These new goals build on the company's latest achievement of reducing food waste per person by over 20% at the end of 2021, which doubled its original goal of reaching a 10% reduction in food waste by the end of last year, relative to a 2019 baseline.

"The significant investment in this technology goes hand in hand with our highest responsibility and top priority at Carnival Corporation, which is compliance, environmental protection and the health, safety and well-being of our guests, the people in the communities we visit and serve, and our shipboard and shoreside personnel," said Bill Burke, chief maritime officer for Carnival Corporation. "We have made great strides in our circular economy focus area and the rollout of nearly 600 biodigesters represents another important milestone for our ongoing efforts to further minimize our impact on the oceans we sail and the communities we visit while supporting overall food waste management efforts and environmental compliance on board our ships."

In addition to food waste management objectives, the circular economy focus area also includes an ongoing commitment to significantly reduce non-essential single-use plastic items, along with long-term 2030 sustainability goals and 2050 aspirations detailed in the latest sustainability report, including the following:

- Increase fleetwide coverage of Advanced Waste Water Treatment Systems to over 75% by 2030
- Send a larger percentage of waste to waste-to-energy facilities where practical by 2030 and aspire to send 100% by 2050
- Partner with primary vendors to reduce upstream packaging volumes and aspire to partner with primary vendors to ensure near 100% reuse of packaging materials by 2050
- Aspire to build ships without the need to discharge to the ocean or air (zero-emission ships) by 2050

As part of its longer-term sustainability plan and vision, Carnival Corporation has committed to significant investments to achieve its 2030 sustainability goals and 2050 aspirations, which incorporate six critical sustainability focus areas overall, including climate action; circular economy; sustainable tourism; good health and well-being; diversity, equity and inclusion; and biodiversity and conservation. Among these priorities, the company and its brands have committed to reducing carbon emission intensity by 40% by 2030 and have aspirations to achieve net carbon-neutral ship operations, supporting its efforts to establish a path to zero emission cruising by 2050.

More information on the company's sustainability efforts is available at www.CarnivalSustainability.com.

About Carnival Corporation & plc

Carnival Corporation & plc is one of the world's largest leisure travel companies with a portfolio of nine of the world's leading cruise lines sailing to all seven continents. With operations in North America, Australia, Europe and Asia, its portfolio features Carnival Cruise Line, Princess Cruises, Holland America Line, Seabourn, P&O Cruises (Australia), Costa Cruises, AIDA Cruises, P&O Cruises (UK) and Cunard.

Additional information can be found

on www.carnivalcorp.com, www.carnival.com, www.princess.com, www.hollandamerica.com, www.seabourn.com, www.pocruises.com.au, www.costacruise.com, www.aida.de, www.pocruises.com and www.cunard.com.

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