



Carnival Corporation Begins Construction of World's First Fully LNG-Powered Cruise Ship

September 6, 2017

World's largest leisure travel company celebrates keel-laying ceremony for first of seven next-generation cruise ships to be fully powered by liquefied natural gas, world's cleanest burning fossil fuel
Leading German shipbuilder Meyer Werft lowered first building block into place for environmentally friendly AIDAnova, which will join company's AIDA Cruises brand in late 2018

MIAMI, Sept. 6, 2017 /PRNewswire/ -- [Carnival Corporation & plc](#) (NYSE/LSE: CCL; NYSE: CUK), the world's largest leisure travel company, marked the official beginning of construction for the first of its seven next-generation cruise ships that will be fully-powered by liquefied natural gas (LNG) with a keel-laying ceremony at Seatrade Europe in Hamburg.



Pioneering a new era in the use of low-carbon fuels, these new ships will be the first in the cruise industry that can use LNG to generate 100 percent of their power both in port and on the open sea – an innovation that will reduce exhaust emissions to help protect the environment and support Carnival Corporation's aggressive sustainability goals. These seven ships, with delivery dates between 2018 and 2022, will be built by leading German and Finnish shipbuilders Meyer Werft and Meyer Turku.

Arnold Donald, president and CEO of Carnival Corporation, together with Bernard Meyer, CEO of Meyer Yards, Michael Thamm, CEO of Costa Group and Carnival Asia, and representatives of three of the Carnival Corporation brands that will receive the LNG ships – David Dingle, chairman of Carnival UK; Neil Palomba, president of Costa Cruises; and Felix Eichhorn, president of AIDA Cruises – gave the official "full steam ahead" signal for the keel laying of the first ship of the new LNG generation, AIDAnova, which will be delivered by Meyer Werft Papenburg in fall 2018.

"Today marked a significant milestone in the construction of this next-generation of Carnival Corporation ships featuring our 'green cruising' design, which will be the most environmentally friendly ships in our company's history," said Donald, the corporation's CEO. "We are committed to continuing to reduce air emissions and improving air quality by evaluating both new and established solutions, including LNG. We are proud to be on the forefront of advancing LNG as a fuel source for the cruise industry, and we appreciate our long-standing partnership with Meyer Werft and Meyer Turku. We look forward to the delivery of these beautiful and innovative ships that will help us meet our top goal – to provide extraordinary vacation experiences for our guests that exceed all of their expectations."

"We thank Carnival Corporation and AIDA Cruises very much for their trust and their pioneering decision to implement LNG technology onboard their cruise ships," said Meyer. "The corresponding infrastructure is now being developed at numerous ports – Carnival Corporation has made a decision that not only benefits the environment, but that also is highly important for the whole cruise industry."

Following the introduction of AIDAnova in 2018, Carnival Corporation's Costa Cruises brand will debut the industry's next cruise ship that can be powered completely by LNG on the open seas in 2019 – the first steel-cutting ceremony for this ship is scheduled at the Meyer Turku shipyard in the coming week. LNG-powered ships for Carnival Cruise Line and P&O Cruises (UK) will follow in 2020. Costa Cruises and AIDA Cruises will each receive an additional LNG-powered ship in 2021, followed by an additional LNG-powered ship for Carnival Cruise Line in 2022.

Pioneering LNG Fuel for the Cruise Industry

In October 2016, Carnival Corporation signed a framework agreement with Shell Western LNG B.V. (Shell) to be its supplier of marine LNG to power the first two of its new LNG ships for AIDA Cruises and Costa Cruises with itineraries visiting popular European ports. As part of the agreement, the

ships will utilize Shell's infrastructure in cruise ports to refuel with LNG throughout their itineraries. The vessels, equipped with dual-fuel engines, are the first of a new generation of cruise ships fully powered by LNG both while in port and at sea – an industry first and an environmental breakthrough that will improve air quality with cleaner emissions.

In 2015, as a pilot project, AIDA Sol from the company's AIDA Cruises brand was the first cruise ship in the world to be supplied with power by an LNG Hybrid barge and, last year, the newly delivered AIDAprima became the first cruise ship to routinely use LNG with a dual-fuel powered engine while in port. Its sister ship, AIDAperla, debuted this April with the same technology.

In addition to utilizing LNG, Carnival Corporation and its brands implement extensive measures to deliver on its commitment to continue to keep guests and crew members safe and comfortable, protect the environment, develop and provide opportunities for its workforce, strengthen its stakeholder relations and enhance the communities in which the company visits and operates. Those measures are detailed in the company's recently released 2016 sustainability report and newly created [sustainability website](#).

About Carnival Corporation & plc

Carnival Corporation & plc is the world's largest leisure travel company and among the most profitable and financially strong in the cruise and vacation industries, with a portfolio of 10 dynamic brands that include nine of the world's leading cruise lines. With operations in North America, Europe, Australia and Asia, its portfolio features Carnival Cruise Line, Holland America Line, Princess Cruises, Seabourn, AIDA Cruises, Costa Cruises, Cunard, P&O Cruises (Australia) and P&O Cruises (UK), as well as Fathom, the corporation's immersion and enrichment experience brand.

Together, the corporation's cruise lines operate 103 ships with 231,000 lower berths visiting over 700 ports around the world, with 17 new ships scheduled to be delivered between 2018 and 2022. Carnival Corporation & plc also operates Holland America Princess Alaska Tours, the leading tour company in Alaska and the Canadian Yukon. Traded on both the New York and London Stock Exchanges, Carnival Corporation & plc is the only dual listed company in the world to be included in both the S&P 500 and the FTSE 100 indices.

In 2017, Fast Company recognized Carnival Corporation as being among the "Top 10 Most Innovative Companies" in both the design and travel categories. Fast Company specifically recognized Carnival Corporation for its work in developing Ocean Medallion™, a high-tech wearable device that enables the world's first interactive guest experience platform capable of transforming vacation travel into a highly personalized and elevated level of customized service.

Additional information can be found on www.carnival.com, www.fathom.org, www.hollandamerica.com, www.princess.com, www.seabourn.com, www.aida.de, www.costacruise.com, www.cunard.com, www.pocruises.com.au and www.pocruises.com.



View original content with multimedia: <http://www.prnewswire.com/news-releases/carnival-corporation-begins-construction-of-worlds-first-fully-lng-powered-cruise-ship-300514695.html>

SOURCE Carnival Corporation & plc

Roger Frizzell, Carnival Corporation, rfrizzell@carnival.com, (305) 406-7862; Mike Flanagan, LDWWgroup, mike@ldwwgroup.com, (727) 452-4538