

AUGUST 2019 CLIA HIGHLIGHTS

ENVIRONMENTAL COMMITMENT, INNOVATION AND RESULTS OF THE CRUISE INDUSTRY

\$22 BILLION

Invested in new energy efficiency technologies and cleaner fuels

40% TARGET

Reduction in rate of carbon emissions by 2030 (compared to 2008)

14.1 YEARS

Average age of fleet, vs. 14.6 years in 2018

ADVANCE WASTEWATER TREATMENT SYSTEMS (AWTS)

AWTS systems utilize advanced tertiary-level treatment to generate effluent discharges often equivalent to best shoreside treatment plants and, consistent with CLIA policy, well beyond international requirements.

100% NEW SHIPS

on order specified to have these systems (up 26% over 2018)



68% GLOBAL CAPACITY

is served by advanced wastewater systems (up 13% over 2018)

LIQUIFIED NATURAL GAS (LNG)

LNG has virtually zero sulfur emissions, a 95% to 100% reduction in particulate emissions, an 85% reduction in NOx emissions, and up to 20% reduction in greenhouse gas emissions.

26 LNG-POWERED

ships currently ordered or under construction



44% NEW CAPACITY

committed to rely on LNG for primary propulsion (60% increase in global capacity over 2018)

EXHAUST GAS CLEANING SYSTEMS (EGCS)

EGCS reduces sulfur oxide levels by as much as 98%, a typical total particulate matter reduction of 50% or more, including elemental and organic carbon and black carbon, and nitrogen oxides by up to 12%.

68% GLOBAL CAPACITY

utilizes EGCS to meet or exceed air emissions requirements (up 17% over to 2018)



75% NEW SHIPS

not relying on LNG will have EGCS installed (8% increase in global capacity over 2018)

SHORE-SIDE POWER CAPABILITY

Cruise ships may operate on shore-side electricity at 16 ports worldwide, reducing overall emissions while at port.

30% GLOBAL CAPACITY

are fitted to operate on shore-side electricity (up 10% over 2018)

18% TO BE RETROFITTED

with shore-side electricity systems (up 300% over 2018)

88% NEW SHIPS

will be fitted with shore-side electricity systems or configured to add shore-side power in the future

