

NOVEMBER 2021 CLIA HIGHLIGHTS

ENVIRONMENTAL COMMITMENT, INNOVATION AND RESULTS OF THE CRUISE INDUSTRY

Pursuing the goal of
net carbon neutral cruising
by 2050

SHORESIDE POWER CAPABILITY

Cruise ships may operate on shoreside electricity at 14 ports worldwide, reducing overall emissions while at port.

35% GLOBAL CAPACITY

are fitted to operate on shoreside
(an increase of 2.3 percentage points
over 2020)

22% ADDITIONAL CAPACITY

to be retrofitted with shoreside
electricity systems

82% NEW SHIPS

on order will be fitted with
shoreside electricity systems



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

4 ships already launched and 22 ships
currently on order or under construction



52% NEW CAPACITY

committed to rely on LNG for primary propulsion
(an increase of 3 percentage points over 2020)

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%.

76% GLOBAL CAPACITY

utilizes EGCS to meet or exceed air
emissions requirements (an increase of 7
percentage points over 2020)



94% NEW CAPACITY

not relying on LNG will have EGCS installed
(similarly high in previous years)

ADVANCED 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 CAPACITY

up from 99% in 2020



74% GLOBAL CAPACITY

is served by advanced wastewater systems
(an increase of 4 percentage points over 2020)