

THE CRUISE SHIP OF THE FUTURE



LIQUEFIED
NATURAL GAS



IS CONSIDERED
TO BE THE
**CLEANEST-
BURNING**
FOSSIL FUEL



CAN HELP
**REDUCE SHIP
EMISSIONS**

Fuel cells generate electricity
by chemical reaction with very
LITTLE POLLUTION



IS A CURTAIN OF
MICROSCOPIC BUBBLES
THAT COATS THE
SHIP HULL AND
**REDUCES
DRAG**



LNG is produced by taking
natural gas from a production field,
removing impurities, and liquefying
the natural gas

LNG PRODUCES
NO SULFUR
AND HAS
**LOWER NITROUS
OXIDE EMISSIONS**
AND **LESS SOOT**



The hydrogen and oxygen
that fuel cells use to generate
electricity ultimately combine
to form water

**THE WATER
CAN BE
INGESTED,**
PUT TO OTHER USES
OR BE DISCARDED
AS WASTE



NASA has been
using fuel cells for decades

THE POWER
FUEL CELLS PRODUCED
SUPPLIED
ELECTRICITY ON
SPACECRAFT
AND CREW MEMBERS
DRANK THE WATER

FUEL CELLS DO NOT BURN ANYTHING TO PRODUCE POWER, SO THERE ARE
NO EMISSIONS TO HARM THE ENVIRONMENT