



Sustainability at Sea, Part II

**Galley Energy Consumption
Optimization**

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GALLEYS CONSUME A LOT OF ENERGY, BUT HOW MUCH?

GEM 2.0 GALLEY ENERGY
MANAGEMENT

Presenting a case study with actual data from
ALMACO's Galley Energy Management system

3.000.000 kWh per year used

15 - 20%
savings possible
with current setup

Potential for higher savings
when coupled to ventilation
system

450.000 - 600.000 kWh
per year

Every single equipment
connected can be
monitored and controlled

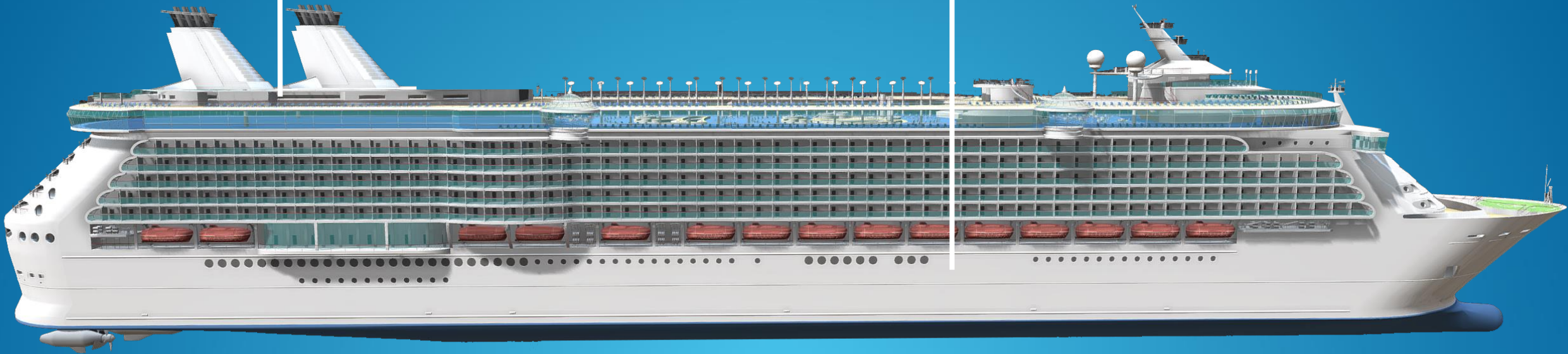
As a case study, data from an actual 150.000 GT vessel

HVAC

Adaptive ventilation
can double the energy
savings from intelligent
power management

GALLEY

GEM reduces
consumption 15-25%



Crew training is essential
and main challenge

Cut-off times need to
be monitored and adjusted
together with the operator

By connecting system
to ventilation, the savings can
theoretically be doubled

