



15th ESPO Conference

Building Acceptance For Further Port Development

How to ensure a sustainable growth of the cruise industry?

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CONTENTS

- Short introduction Carnival Corporation & plc
- Sustainability within Carnival Corp. & plc
- Building Acceptance For Further Port Development – some thoughts



How to ensure a sustainable growth of the cruise industry?

Holland America Group is part of Carnival Corporation & plc:

- Consist of 10 brands (Carnival, Princess, HAL, Seabourn, COSTA, AiDA, P&O, Cunard, P&O Australia, Fathom)
- Fleet of 102 ships (19 new ships scheduled)
- Visiting more than 700 ports around the world
- Approx. 11,5 million guests annually (325.00 people sailing aboard Carnival Corp fleet every day)
- Employs over 120.000 people



How to ensure a sustainable growth of the cruise industry?

Do we need to be sustainable as an industry? → Is that a question?

NO!!! ⇒ Without clean seas, air and land we do not have a 'product'!

Sustainability is in our genes!

In many areas we are frontrunners

STAKEHOLDER ENGAGEMENT



GUESTS

Measuring our guest satisfaction and addressing their feedback provides a powerful indicator about our sensitivity to their needs.



EMPLOYEES

We listen to and act upon our employees' perspectives and ideas.



TRAVEL PROFESSIONALS

We work with responsible business partners who share our values. We host travel professionals on our ships to provide them with opportunities to better experience our products and services.



PORT COMMUNITIES

We meet with community leaders to discuss business and community planning, and ways to interact sustainably.



SUPPLIERS

We are part of a complex network of interdependent companies. Our active dialogue with our business partners ensures sustainability is part of the relationship.



GOVERNMENT AGENCIES & POLICY MAKERS

We strive to positively impact public policy and regulation by contributing cruise industry expertise.



NON-GOVERNMENT ORGANIZATIONS

We collaborate with and belong to organizations that work to address issues of concern to our industry and stakeholder groups.



MEDIA

We work on a variety of subjects related to our business and impact.



INVESTORS

We engage on our environment, social and governance (ESG) performance.



BUSINESS ORGANIZATIONS/ INDUSTRY ASSOCIATIONS

We work with key stakeholders to address a broad range of sustainability issues in the cruise industry, the broader maritime industry and companies representing other industries.



CARNIVAL CORPORATION & PLC – Sustainability

SUSTAINABILITY FROM SHIP TO SHORE

2020 SUSTAINABILITY GOALS

ENVIRONMENTAL • SAFETY • LABOR & SOCIAL



CARBON FOOTPRINT

Reduce the intensity of CO₂e (equivalent carbon dioxide) emissions from our operations by 25% by 2020 relative to our 2005 baseline, measured in grams of CO₂e per ALB-km.

AWWPS TECHNOLOGY

Increase Advanced Waste Water Purification System (AWWPS) coverage of our fleet wide capacity by 10 percentage points by 2020 relative to our 2014 baseline.



WASTE REDUCTION

Continue to reduce waste generated by our shipboard operations by 5% by 2020 relative to our 2010 baseline, as measured by kilograms of non-recycled waste per person per day.



DIVERSITY & ETHICS

Continue to build a diverse and inclusive workforce and provide all employees with a positive work environment and opportunities to build a rewarding career to further drive employee engagement.



BUSINESS PARTNER CODE OF CONDUCT AND ETHICS

Further develop and implement vendor assurance procedures ensuring compliance with Carnival Corporation & plc's Business Partner Code of Conduct and Ethics.



EXHAUST GAS CLEANING TECHNOLOGY

Continue to improve the quality of our emissions into the air by developing, deploying and operating Exhaust Gas Cleaning Systems across the fleet capable of reducing sulfur compounds and particulate matter from our ship's engine exhaust.

COLD IRONING CAPACITY

Increase Cold Ironing coverage of our fleet wide capacity in relation to future port capabilities.



WATER EFFICIENCY

Continue to improve water use efficiency of our shipboard operations by 5% by 2020 relative to our 2010 baseline, as measured by liters per person per day.



GUEST AND CREWMEMBER HEALTH, SAFETY & SECURITY

Striving to be free of injuries, we continue to build on our commitment to protect the health, safety and security of our guests, employees and all others working on our behalf.



OUR COMMUNITY

Continue to work on initiatives and partnerships that support and sponsor a broad range of organizations for the benefit of our local and global communities throughout our brands, in particular Fathom.



Making Progress on our 2020 Sustainability Goals (FY2017)



CARBON FOOTPRINT

- 26.3% reduction achieved relative to our 2005 baseline.
- Started LNG Operation in Mediterranean Ports
- Expanded partnership with Shell to fuel North America's first LNG-Powered Cruise Ships
- Continued partnership with Wärtsilä to drive further gains in engine efficiency.



GUEST AND CREWMEMBER HEALTH, SAFETY & SECURITY



- Continued to identify and roll out best occupational health and safety practices across our brands.
- Continued to support research to test the efficiency of disinfection products against norovirus.
- Standardized security training.



EXHAUST GAS CLEANING TECHNOLOGY

- 62% of fleet equipped with Exhaust Gas Cleaning Systems.
- Named winner of Lloyd's List Americas 2017 Cleaner Safer Seas Solutions Award for Clean-Air Commitment.



DIVERSITY & ETHICS



- Continued to build a diverse and inclusive workforce.
- Together with Catalyst (the leading US nonprofit with a mission to expand opportunities for women) we made a pledge to support the advancement of women's leadership and diversity in the workplace.
- Together with Executive Leadership Council (ELC – the leading US organization working to empower African-American corporate leaders) we made a pledge to support and encourage diversity in the workplace.



AWWPS TECHNOLOGY

- Increased fleet wide capacity coverage by 6.2 percentage points.



COLD IRONING CAPACITY

- 43 % of fleet equipped with cold ironing capabilities.
- Continue to use LNG for cruise ship cold ironing.



BUSINESS PARTNER CODE OF CONDUCT AND ETHICS



- Started a supplier diversity evaluation.
- Announced commitment to support responsible chicken sourcing practices.



WATER EFFICIENCY

- 3.8% increase in water efficiency.



WASTE REDUCTION

- Continued recycling partnerships and programs.



OUR COMMUNITY



- Pledged up to \$10 million for Hurricane Irma relief.
- Donated \$2 million for Hurricane Harvey relief.
- Continued partnership with The Nature Conservancy.
- Continued support to the Smithsonian National Museum of African American History & Culture.

CLIMATE CHANGE

SWITCHING FROM MARINE DIESEL TO LNG

0

Sulfur Dioxide Emissions

95-100%

Reduction in Particulate Matter

85%

Reduction in Nitrogen Oxides

25%

Reduction in Carbon Emissions



*AIDAprima supplied directly with
LNG by truck in Germany – May 2016.*



CARNIVAL CORPORATION & PLC – Sustainability

SUSTAINABILITY FROM SHIP TO SHORE

SUSTAINABILITY BEYOND 2020



[We the People video](#)

SUSTAINABILITY – MAIN CATEGORIES

PEOPLE

Labor / Human Rights

- Safety
- Work Conditions
- Talent Retention
- Diversity & Inclusion
- Training & Education
- Child Labor
- Forced Labor

COMMUNITY

Social

- Philanthropy
- Empowerment
- Well-being
- Development
- Anti- Corruption

PLANET

Environmental

- Climate Action / Change
- Energy
- Water
- Waste
- Biodiversity

STRATEGY, GOALS AND SUPPORTING INITIATIVES IN DEVELOPMENT



CARNIVAL CORPORATION & PLC – Sustainability

SUSTAINABILITY FROM SHIP TO SHORE

SUSTAINABILITY BEYOND 2020 – ENVIRONMENTAL

Sub-topic	Goal
GHG Emission Reduction	2025 intensity rate reduction
GHG Emission Reduction	2030 reduction to 2008 or 2010 values
Air Emissions	Lead shipping in EGCS development and use
Biodiversity	Coral reef protection and conservation investment
Biodiversity	Mangrove (carbon sequestration) investment
Biodiversity	Sustainable seafood sourcing targets
Biodiversity	Animal welfare policy (captivity & in the wild)
Waste Reduction	Wastewater discharge reduction targets
Waste Reduction	Solid waste reduction targets



SUSTAINABILITY WEBSITE

FY2016 Sustainability Report & New Website:
www.CarnivalSustainability.com

SUSTAINABILITY
■ FROM SHIP TO SHORE ■




CARNIVAL
CORPORATION & PLC
— Sustainability —

 AIDA

 Carnival

 Costa

 CUNARD

 FATHOM
WINNET - TRAVEL

 Holland
America Line

 P&O
AUSTRALIA

 P&O CRUISES

 PRINCESS CRUISES

 SEABOURN

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SUSTAINABILITY FROM SHIP TO SHORE


PRINCESS CRUISES


Holland America Line


SEABOURN


P&O
AUSTRALIA

Building Acceptance For Further Port Development (1)

Acceptance means “believing in goodness of something” – we are glad that port development is considered in this positive light “believing in goodness”!

Some thoughts:

- Ports are first and foremost strategic asset of a country – ports or its activities are not dirty words
- There is not already an existing consensus on port’s role in today’s society which is essential for us and that this being challenged left
- We should promote a dialogue to understand what is that ports do today that undermine their societal status which airports or train stations for example do not suffer from
- Ports are and will be connected to human being for ever
- Port management, in today’s economy, have a role to play to better explain how widespread their impact is in the fabric of society. They have a responsibility to explain how they impact the environment, the economy, the well being of the resident etc.
- Port development can be in existing ports or the act of developing new greenfield area and that creates new ecosystem. Port needs activity to continue to play their societal role. This should be encouraged rather than undermined.

Building Acceptance For Further Port Development (2)

With regards to other items that we would want to prioritise:

1 Being ready for new challenges. Whatever they are. Sustainability is a key issue for us. We are addressing the challenges related to emissions by utilising best available technology, (EGCS, LNG, Shore Power etc) and preparing for the next major challenge - reducing carbon emissions. We are investigating fuel cells, looking at zero carbon fuels, but none of these are ready today. For example to build a supply chain for fuel takes a decade at least.

2 Ships are larger than ever before - this is a more efficient use of resources, but most ports are not growing or investing in their infrastructure to be ready for this. Shore reception facilities, berth sizes, passenger handling systems, security, shore power, etc are all issues that we are facing and need partnership to achieve.

THANK YOU

