



**MSC MEDITERRANEAN
SHIPPING COMPANY**

CONTINUOUS EVOLUTION

September 2019

- SUSTAINABILITY - INNOVATION AND EFFICIENCY
- MSC TECHNOLOGY IN CONTAINER SHIPPING
- GROUP DIVERSITY

- MEGAMAX VESSELS (MMX-24) – A NEW BREED OF SHIPS
- CONTINUED INDUSTRY CONSOLIDATION
- IMO 2020 SULPHUR FUEL CAP
- MSC CRUISES

- QUESTION TIME

THE MSC GROUP OF COMPANIES

CARGO DIVISION



Terminal Investment Limited



Transport & Logistics



PASSENGER DIVISION



CARGO DIVISION

- **520** vessels
- **200** routes
- **500** ports of call
- **62** terminals
- **21** million TEU carried annually
- **493** offices
- **155** countries
- **47,000** staff

PASSENGER DIVISION

- By the end of October 2019, **17** ultra-modern, highly innovative and elegantly designed ships
- **2.4 million** guests and **170** nationalities welcomed on board **in 2018**
- **81** countries in which MSC Cruises holidays are sold
- **212** itineraries offered worldwide
- **Over 190** ports of call
- **Over 3,845** port calls
- **30,523** employees on board and ashore

PROMOTING A SUSTAINABLE USE OF THE SEA AND MARINE RESOURCES

MSC invests in:

- Innovative and latest available low-carbon technologies
- Energy efficiency
- Operational efficiency



m
sc

A UNIQUE WORLDWIDE PRESENCE



THE YOUNGEST FLEET IN THE WORLD



In January 2015: **MSC Oscar**, the largest ever built vessel:

- 395.4 m long & 59 m wide
- Capacity of 19,224 TEU

2015-2017: Delivery of **20 'Oscar Class' vessels**

In October 2017, MSC confirmed the order of 11 x **23,000 TEU container ships** that will lead the way in terms of global standards for design and energy efficiency. These ships will be delivered as of 2019.



WORLDS LARGEST CONTAINER VESSEL – MSC GULSUN



Launched : July 2019

Length : 400m

Width : 61.5m

Weight : 224,983 ton

Intake Capacity : 23,756 TEU

Reefer Capacity : 2,024 plugs

MSC has ordered 11 vessels of this size for delivery (MMX-24).

Operate on Europe – Asia trade lanes.



MSC GÜLSÜN - FACTS AND FIGURES



TO TRANSPORT **23,756 TEU** YOU NEED



1,358
BOEING 747 PLANES



44
8000FT LONG TRAINS



14,072
HEAVY TRUCKS



8.35
MILLION
MICROWAVE OVENS



2.94
MILLION
WASHING MACHINES



386
MILLION
PAIRS OF SHOES

IN A
SINGLE VOYAGE
MSC GÜLSÜN
CAN CARRY



8
MILLION
SOLAR PANELS



2.37
MILLION
CAR TYRES



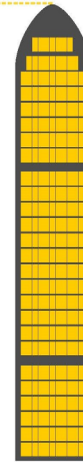
223
MILLION
BANANAS



47,512
CARS

IMPRESSIVE DIMENSIONS

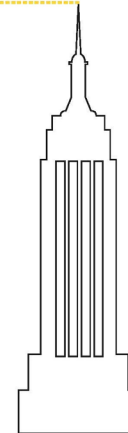
61.5m x 399.9m
MSC GÜLSÜN



4x (60m x 100m)
4X FOOTBALL FIELDS



381m
EMPIRE STATE BUILDING



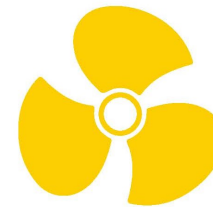
324m
EIFFEL TOWER



A NEW CLASS OF SUSTAINABLE SHIPPING

THE LOWEST CARBON FOOTPRINT BY DESIGN

7.49 CO₂
EMISSION IN GRAMS PER TRANSPORT WORK

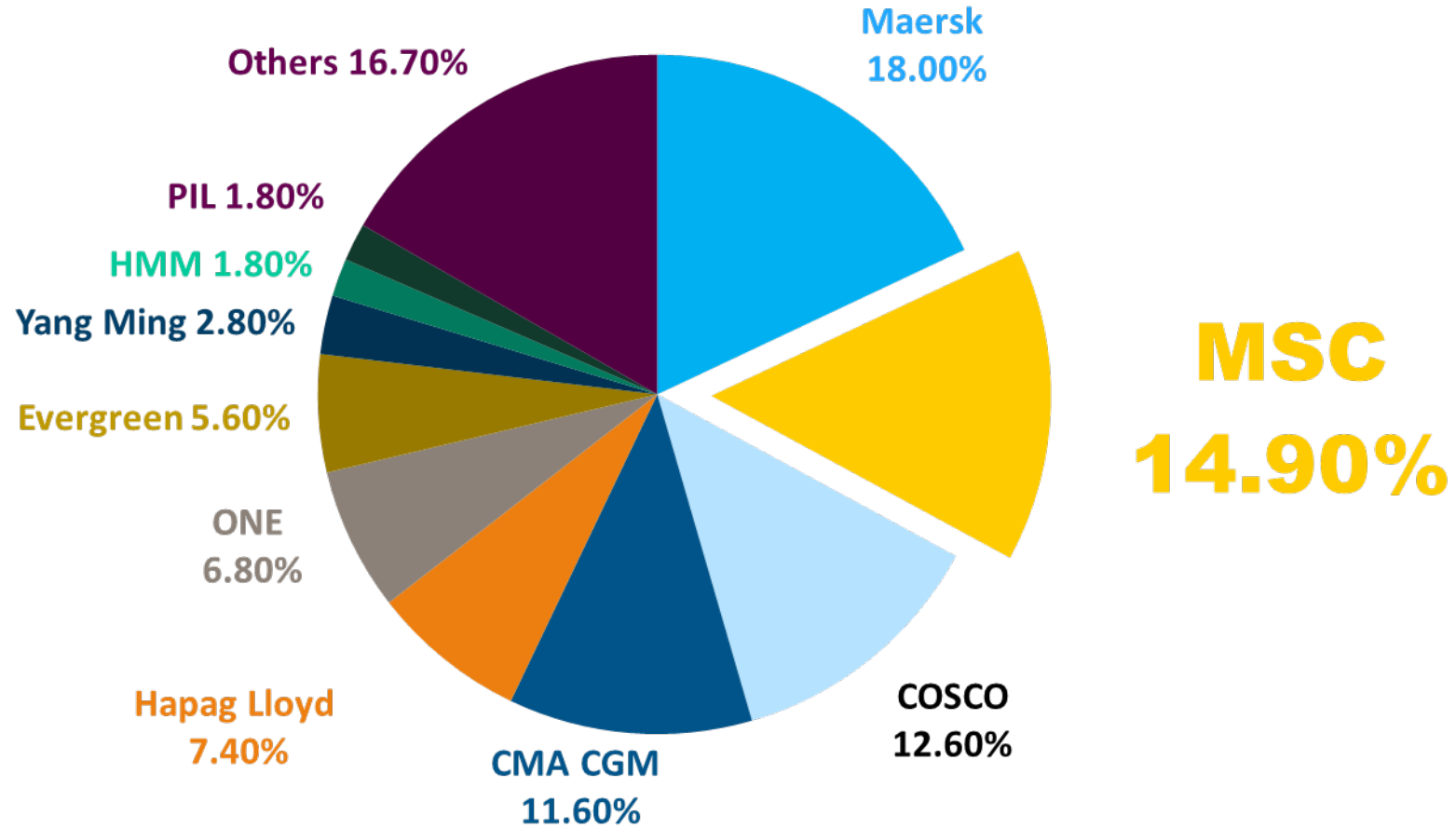


CO₂ EMITTED PER TRANSPORT WORK

48%
MORE EFFICIENT

UN IMO-APPROVED HYBRID EXHAUST GAS CLEANING SYSTEM (EGCS) INSTALLED

GLOBAL CAPACITY SHARE



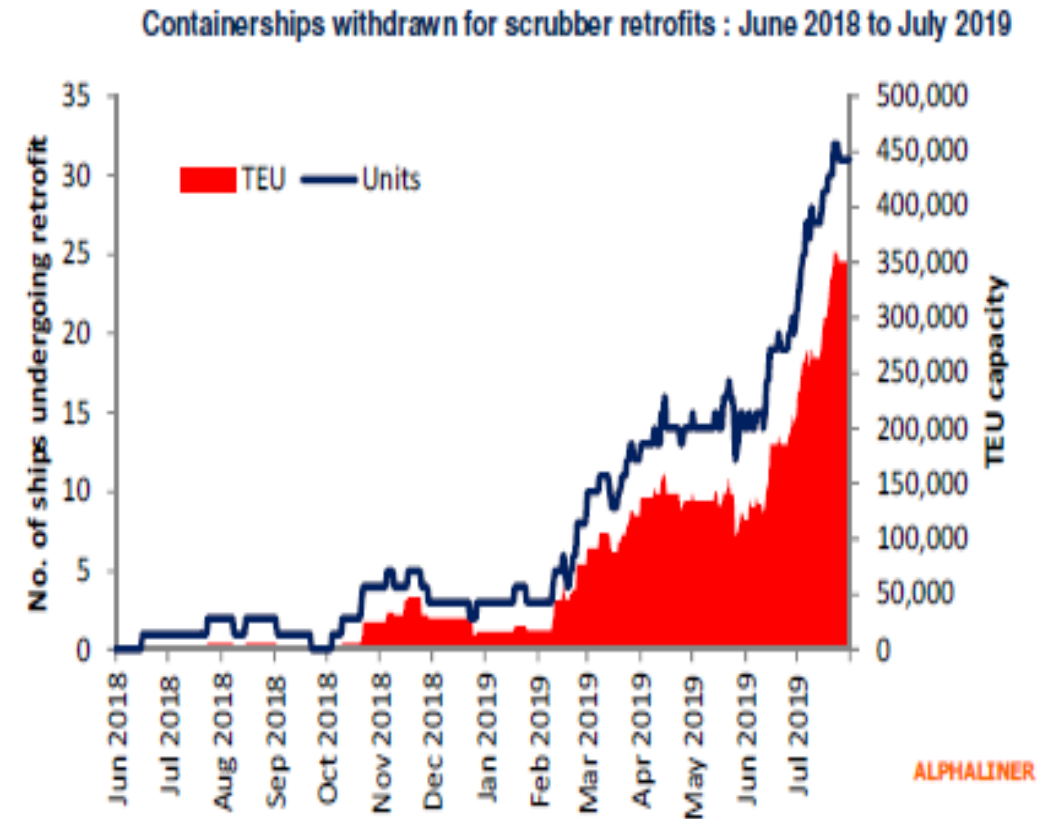
SHIPPING INDUSTRY CONSOLIDATION

JUST SEVEN OPERATORS WILL CONTROL NEARLY 90% OF GLOBAL TRADE



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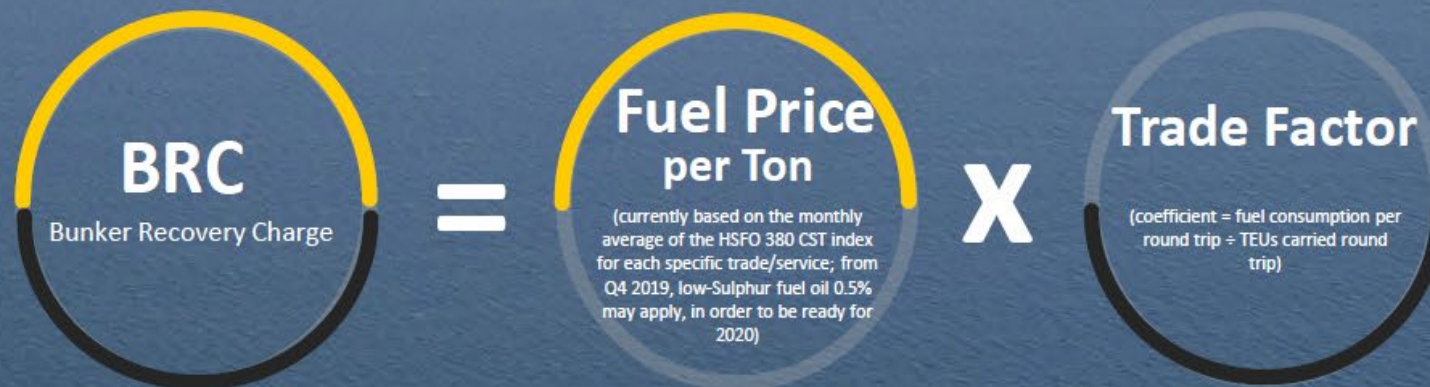
- New emission control regulations effective 01 Jan 2020.
- Aim to reduce SOx released into the atmosphere, all lines to comply.
- MSC is investing in both low sulphur fuel alternatives (0.5%) and vessel scrubbers.
- Added costs to lines – estimates approx **USD 15 Billion across the industry for BRC.**



FORMULA FOR BUNKER RECOVERY CHARGE (BRC)

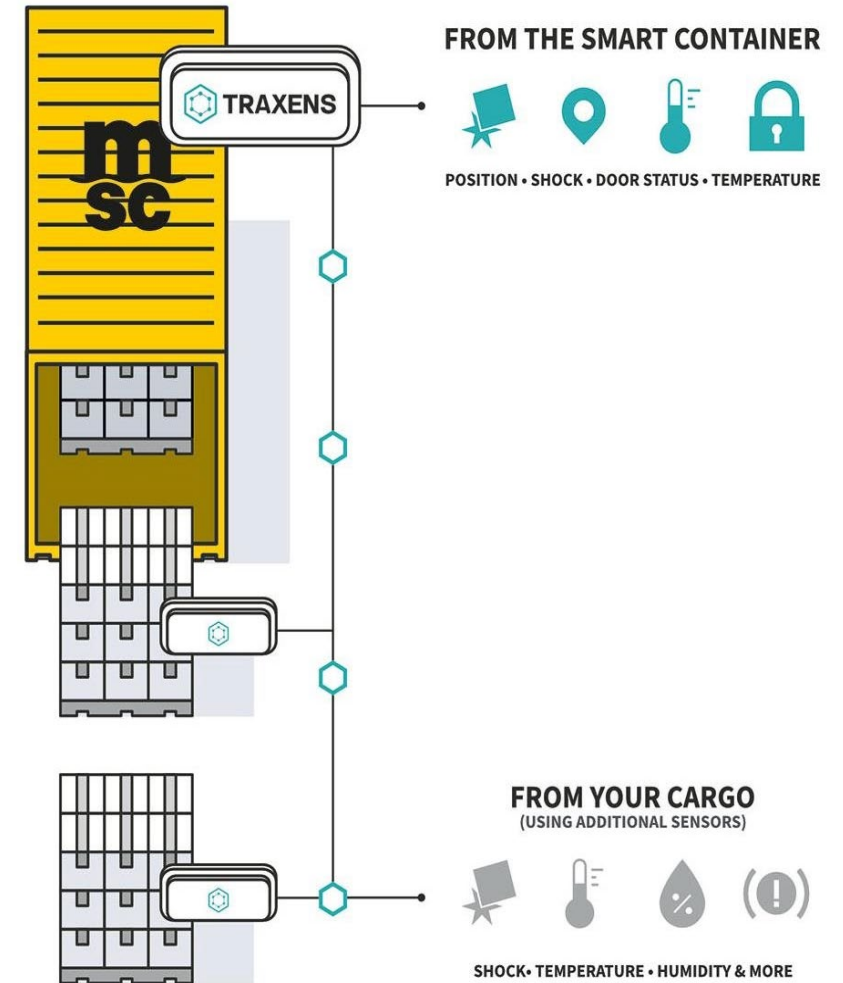


Following considerable analysis of operating costs and market factors we have decided to implement a new BRC (Bunker Recovery Charge), effective 1 January 2019.



For reefer cargo, the BRC will be calculated as BRC x 1.5, due to the additional cost of electricity generation used to power reefer containers

- **TRAXENS** – Smart Containers.
Real time container data direct to shippers.
- Smart containers is a standard container permanently fitted with electronics which transmit data (position, temp, movement, shocks, door opening, humidity ...) in near real-time.
- Identify and implement concrete operational improvements in supply chain to generate cost reductions.
- Visibility provides peace of mind and improves user experience for shipping customers.



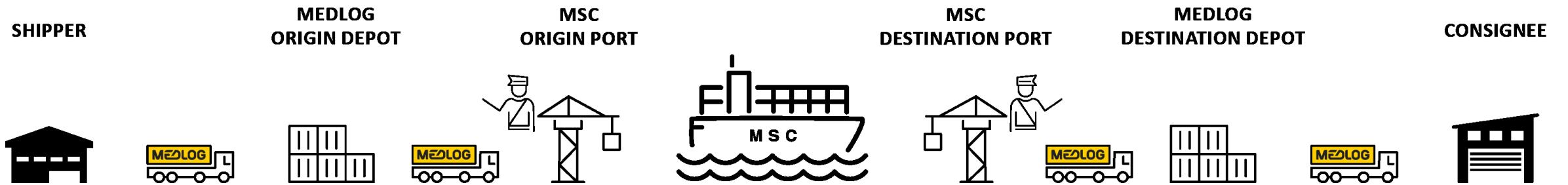
- **TRADELENS** - Blockchain Technology aimed to limit shippers costly paper trail (up to 20% of costs). 5 of the 6 largest carriers have committed to this platform, equating to over 50% of global container trade.
- **Digital Container Shipping Association (DCSA)** - Established in April 2019 by MSC, Maersk, Hapag Lloyd and ONE focusing on **INTEROPERABILITY** and working towards creating global industry standards in shipping. 5 other carriers have since joined.

First Industry Blueprint (IBP 1.0) published by DCSA recently on non-commercial processes in shipping.

MEALOG

Transport & Logistics

MEDLOG SUPPLY CHAIN





NUMBER 1 CRUISE LINE IN EUROPE, SOUTH AFRICA, SOUTH AMERICA AND THE GULF

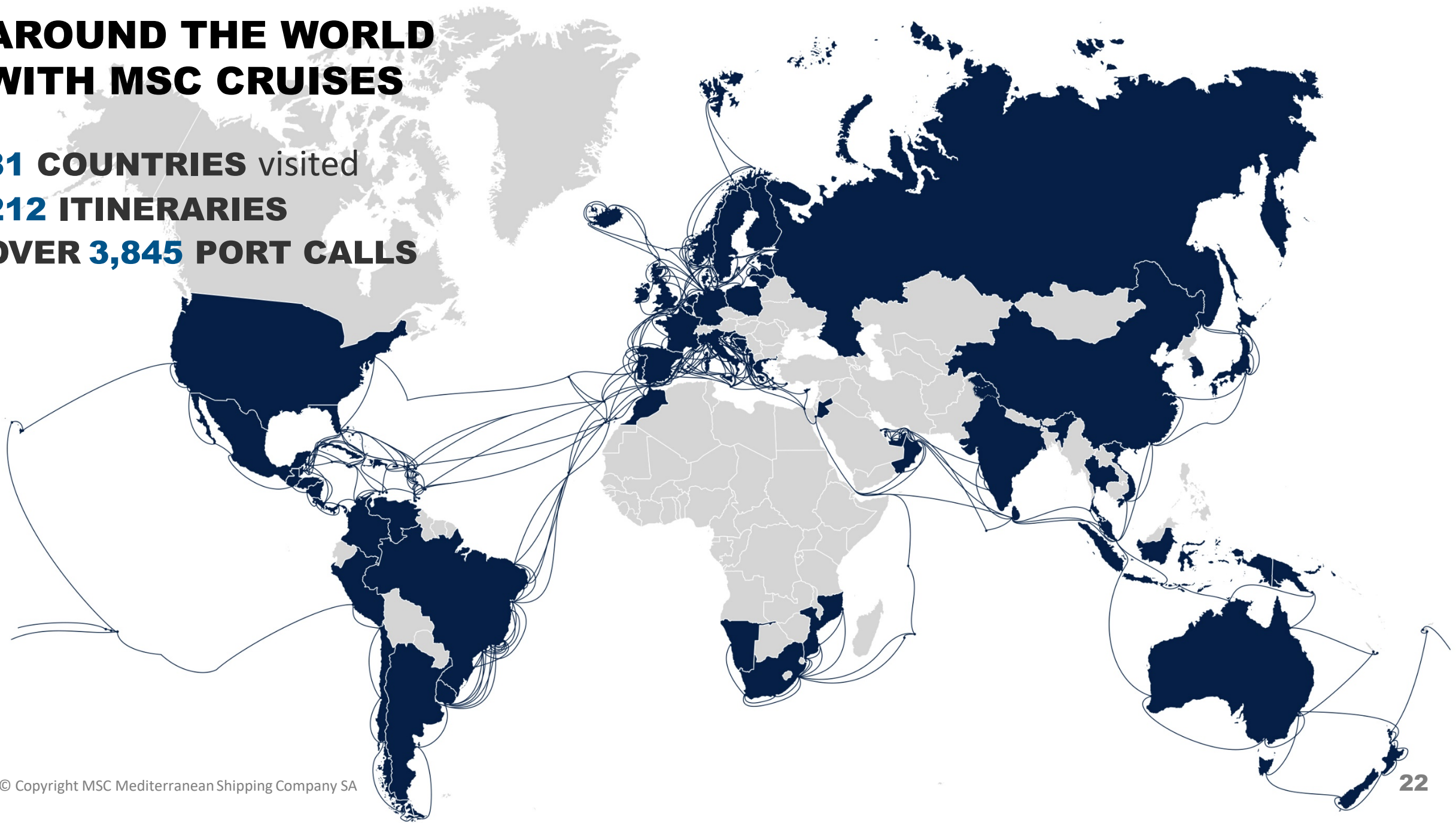
- **800%** growth in its first 10 years
- By the end of October 2019,
17 ultra-modern, highly innovative
and elegantly designed ships
- **€13.6** billion investment plan:
the fleet is set to expand to
29 cruise ships **by 2027**
- Capacity to reach over **5.5 million**
passengers annually **by 2027**

www.msccruises.com



AROUND THE WORLD WITH MSC CRUISES

81 COUNTRIES visited
212 ITINERARIES
OVER 3,845 PORT CALLS





**OUR HISTORY
OUR PEOPLE
OUR FAMILY**

**TOGETHER,
WE ARE MSC.**