

INVENTION



RELIABILITY

SUSTAINABILITY

*INVENTIVE DESIGN*

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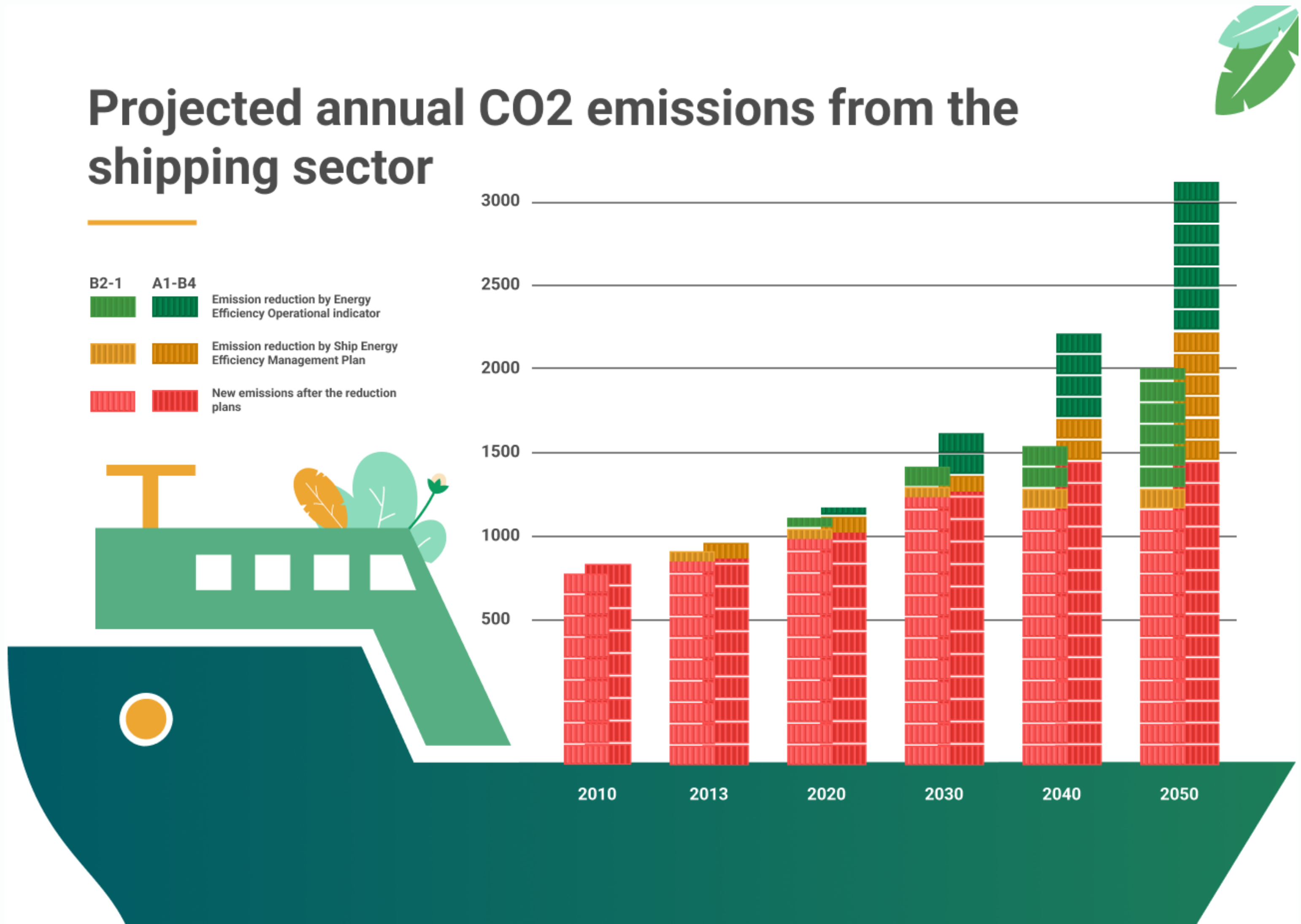
# SHIPPING

The shipping industry contributes to CO2 emissions.

2% of all

4% of transportation

## Projected annual CO2 emissions from the shipping sector





# OPTI COASTER

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Green

Silent

Efficient





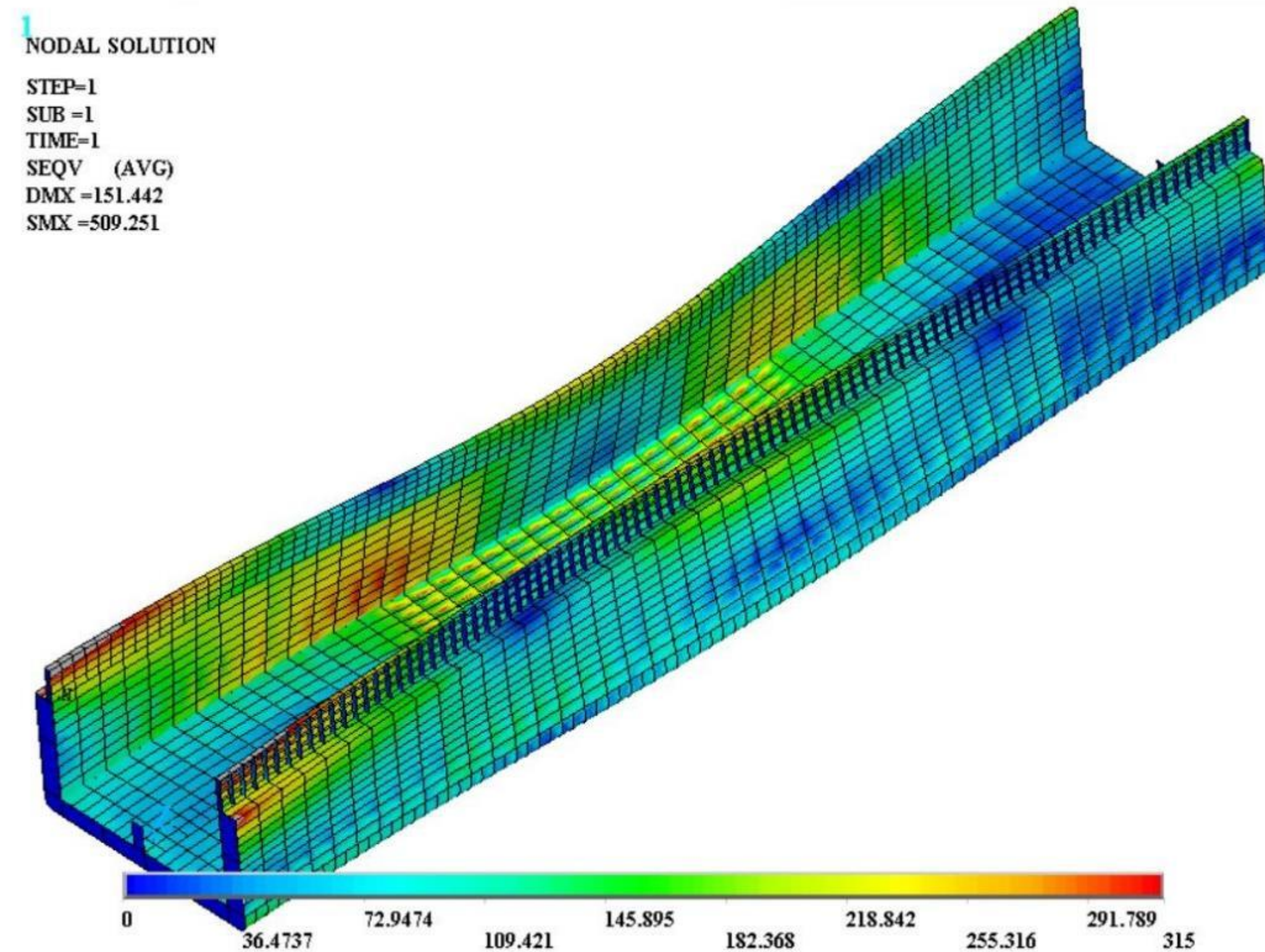
# EPOCHAL

By optimizations

By using state of the art technologies

By using renewable energy sources

**30%  
Less  
Power  
Requirement**



**20%  
Less  
Ship Weight**



# MARKET

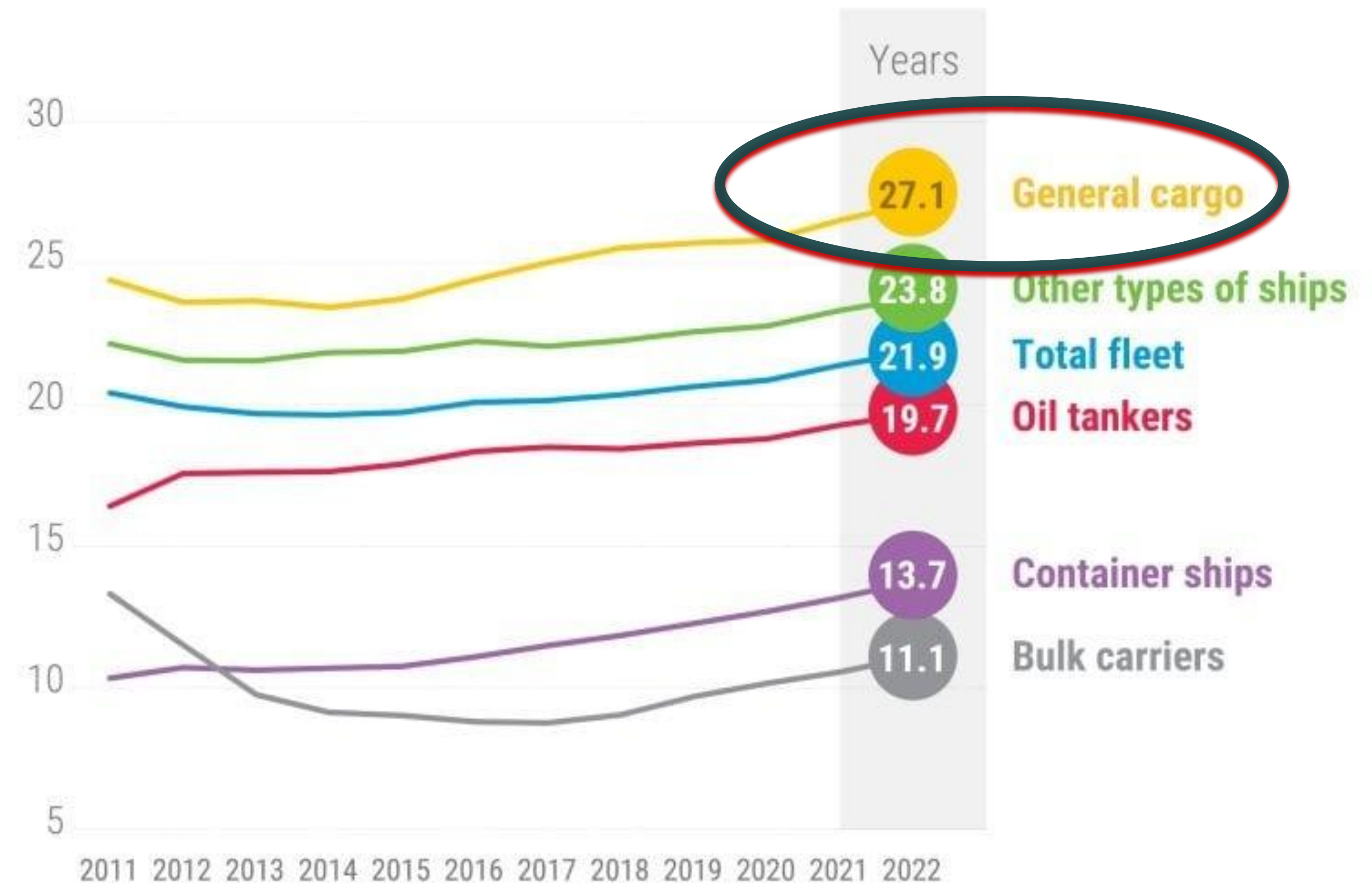
Average age of the target fleet is more than 27 years old

5000 new ships are required to be built before 2050



## Average age of the commercial fleet

(weighted by number of ships, by vessel type, 2011-2022)



Source: UNCTAD Review of Maritime Transport 2022.

# COMPETITION

No composite hatch cover  
included in any other design

Carrying Capacity	8 % more
Power Requirement	30 % less
Operational Efficiency	Easier to handle all jobs on board
Investment Cost	Similar
Running Cost	25 % less

# BUSINESS MODEL

Project Management

Design

Procurement

Construction (subcontractor)

Sale (Charter)

Total amount of ships

100

Ship per year

5

Total cost of one ship

7 million USD

Profit for 1 ship

1 milion USD

Total profit

100 million USD



Protecting our planet while  
connecting the world

