



### Cruise Ships Build in Finland Since 1999

- 1999 **Voyager of the Seas** for Royal Caribbean International, Turku
- 1999 **Europa** for Hapag-Lloyd, Helsinki
- 2000 **Explorer of the Seas** for Royal Caribbean International, Turku
- 2000 **Costa Atlantica** for Costa Crociere, Helsinki
- 2001 **Adventure of the Seas** for Royal Caribbean International, Turku
- 2001 **Carnival Spirit** for Carnival Cruise Line, Helsinki
- 2002 **Navigator of the Seas** for Royal Caribbean International, Turku
- 2002 **Carnival Pride** for Carnival Cruise Line, Helsinki
- 2002 **Carnival Legend** for Carnival Cruise Line, Helsinki
- 2003 **Mariner of the Seas** for Royal Caribbean International, Turku
- 2003 **Costa Mediterranean** for Costa Crociere, Helsinki
- 2004 **Carnival Miracle** for Carnival Cruise Line, Helsinki
- 2004 **Birka Paradise** for Birka Line, Rauma
- 2006 **Freedom of the Seas** for Royal Caribbean International, Turku
- 2007 **Liberty of the Seas** for Royal Caribbean International, Turku
- 2008 **Independence of the Seas** for Royal Caribbean International, Turku
- 2009 **Oasis of the Seas** for Royal Caribbean International, Turku
- 2010 **Allure of the Seas** for Royal Caribbean International, Turku
- 2014 **Mein Schiff 3** for TUI Cruises, Turku
- 2015 **Mein Schiff 4** for TUI Cruises, Turku
- 2016 **Mein Schiff 5** for TUI Cruises, Turku
- 2017 **Mein Schiff 6** for TUI Cruises, Turku
- 2018 **New Mein Schiff 1** for TUI Cruises, Turku

Finnish Marine Industries coordinates the cooperation in industrial and economic policy among the companies at the branch. The association represents its members in the European Ships and Maritime Equipment Association (SEA Europe). The members of Finnish Marine Industries include leading marine equipment manufacturers, turnkey suppliers, design offices, software and system providers as well as shipbuilding, ship repair and offshore yards.

[marineindustries.fi](http://marineindustries.fi)



**Meriteollisuus  
Finnish Marine Industries**

**Luxury  
Cruise ships  
from Finland**

## CRUISE SHIPS – FINNISH MASTERPIECES

Finnish shipyards have built dozens of cruise ships and passenger ferries in cooperation with the Finnish maritime network. Finnish experts have designed and constructed some of the world's largest cruise vessels, for instance Oasis of the Seas and Allure of the Seas, both for Royal Caribbean International. Each has a capacity for more than 6 000 passengers and 2 000 crew. Oasis Class ships are the most powerful and sophisticated ships in the world, resulting from a long product development cooperation between the cruise line, the shipyard and the maritime cluster.

TUI's Mein Schiff series is one of the latest masterpieces designed and constructed by the Finnish marine industry. New Mein Schiff 1 has a length of 315 meters which makes it 20 meters longer than other ships in the Mein Schiff fleet. Also passenger spaces have been redesigned; there is a number of new iconic features like the new diamond, which now spans almost a 50m breath of the ship, the new Lagune sun deck area, the new covered sports Arena, and the new elevated jogging track with a spectacular view.

Each new Finnish cruise ship marks a significant improvement in energy efficiency: for instance New Mein Schiff 1 was engineered 10 % more energy efficient compared to its predecessor. It is one of the first cruise ships to be equipped with catalytic converters for the main and auxiliary engines, reducing nitrogen oxide emissions.

### Cruise Ferries

In addition to cruise ships, the Finnish network has specialized in building sophisticated cruise ferries that are almost like cruise ships but in general smaller in size and have the capability to transport cars and passengers.

Tallink Megastar, operating between Helsinki and Tallinn, is one of the most advanced cruise ferries in the Baltic Sea. The ship has an operational speed of 27 knots but can still host some 2 824 passengers with 110 trailers and 160 cars.

Megastar is not just powered by environmentally friendly LNG (liquefied natural gas), but has also an extremely advanced hull shape, resulting in substantial fuel savings during the ship's operation. Megastar complies with all the current and future emission regulations for the Emission Control Areas, including the Baltic Sea.

## FINNISH MARINE INDUSTRIES' MEMBER COMPANIES

### CABINS, BATHROOMS AND RELATED EQUIPMENT

Antti-Teollisuus  
Jukova Corporation  
Parmarine  
Piikkio Works

### CATERING EQUIPMENT

Kavika  
Metos  
SeaKing

### COMPONENTS AND MATERIALS

Hentec  
ISOVER Saint-Gobain  
Lautex  
Mesekon  
nora flooring systems  
Paroc  
Planson United  
SBA Interior  
SSAB Europe

### CONSULTING

Emmanoa  
Stellio

### ELECTRICAL SYSTEMS AND COMPONENTS

Atexor  
Caverion Suomi  
Helkama Bica  
Hella Lighting  
Jukolux  
Laivasähkötyö  
Promeco Group  
Protaccon Technologies  
Trafotek

### ELEVATORS AND ACCESS SYSTEMS

KONE  
MacGregor

### ENERGY, ENVIRONMENT AND PROPULSION SYSTEMS

ABB  
Alfa Laval Aalborg  
EIE Maskin  
Evac  
Lamor  
MAN Diesel & Turbo  
Norsepower  
Oilon  
Onninen  
Rolls-Royce  
Steerprop  
TEVO Lokomo  
The Switch Engineering  
Valmet  
WE Tech Solutions  
Wärtsilä

### ENGINEERING AND TECHNICAL CONSULTING

Aker Arctic  
Allstars Engineering  
Beacon Finland  
Comatec  
Deltamarin  
Elomatic  
Etteplan  
Foreship

### SAFETY & FIRE PROTECTION

Marioff Corporation  
Saajos  
Tebul

### HVAC SOLUTIONS AND COMPONENTS

AirD Fin  
Halton Marine  
Koja

### NAVIGATION SYSTEMS

Furuno Finland

### PRODUCTION SYSTEMS

Kemppi  
Pemamek

### SHIPYARDS

Arctech Helsinki Shipyard  
Meyer Turku  
Pori Offshore Constructions  
Rauma Marine Constructions  
Turku Repair Yard  
Uki Workboat

### SOFTWARE & ICT

Cadmatic  
Fake Production  
IBM  
NAPA

### SURFACE TREATMENT

FSP Finnish Steel Painting

### TURNKEY PROJECTS

ALMACO Group  
APX-Metalli  
E.U. -Adhoc Project  
IDC Global Services  
I.S. Mäkinen  
Kaefer  
Merima  
Metalliasennus Huuhka  
Mobimar  
NIT Naval Interior Team  
Orsap  
RR Site Service  
R&M Ship Technologies  
S.A. Svendsen  
Shipbuilding Completion  
SRC Cruise & Ferry

### OTHER MEMBERS OF FINNISH MARINE INDUSTRIES

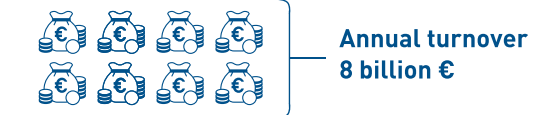
Kvaerner Finland  
Machine Technology Center  
Prizztech  
Seaside Industry Park

## NEW MEIN SCHIFF 1 IN NUMBERS

Contract signed: 1.7.2015	Number of Passengers: 3 132
Delivered: 25.4.2018	Number of cabins: 1 437
Length: 315 m	Crew: 1 092
Width: 36 m	Flag: Malta
Gross Tonnage: 111 500	



## Finnish Marine Industry in the Finnish Society



Source: Brahea Centre at the University of Turku

## Marine industry consists of:

-  Marine equipment manufacturers
-  Turnkey suppliers
-  Design offices
-  System suppliers
-  Software providers
-  Shipbuilding, ship repair and offshore yards

marineindustries.fi