Finnish Maritime and Offshore Cluster
The Finnish Maritime and Offshore industry is one of the central industries in the Finnish technology industries. The Finnish maritime cluster is an operative whole formed by numerous maritime businesses.

The maritime cluster includes marine industries, shipping and port operations in private and public sectors.
Finland has long history in the field of Maritime Industries

In the 18th century first yard was established in Turku

In 19th century the steam engines displaced sails and steel displaced wooden structures

During the 20th and 21st centuries the business has grown, developed, formed to be one of the central technology industries in Finland.
The Finnish maritime cluster includes about 2 900 companies.

The maritime cluster employs about 43 000 persons, in activities directly related to the maritime sector.

The maritime industries employ 21 000 people.
The possibility in the history to develop individual products has lead to the fact that several leading global maritime companies on world markets are Finnish or Finnish units of global corporations.
• The Finnish maritime and offshore companies are globally acting

• The technology industry companies in whole employ in
  – In Finland 275000 persons
  – In foreign countries 270000 persons

• Finnish companies have strong commitment to foreign business
  – 70% exports
Maritime innovations from Finland
The Finnish Maritime portfolio
Finnish companies are specialized in delivering products and services and building cruise and passenger ships, offshore structures, ship repair and boat building.
High-tech industries and engineering industries

Naval Architecture

Offshore

Multipurpose vessels

Boat and leisure industry
Advanced production and material technologies

- Steel production solutions
- Ship and yard Refurbishment, Repair
- Advanced Production technology
- Modular building methods
- Engineering industry Material Technologies Surface treatment
- Logistics f.ex. Wasa Logistics Arctia Offshore
Maritime Cluster in Finland

High technology total solutions

- **Propulsion Automation**
- **Power supply**
- **Cargo flow**
  - Onshore, offshore, onboard
- **People flow**
- **System (HVAC) solutions**
High technology total solutions

- Safety
- Security
- Environment

- Engineering software

- Accommodation
- Provision
- Galleys

- Waste management

- Mooring
World class competences and knowledge

- Engineering
- Design
- Research Development
- Contract management
- Consulting services
- Operational Service and support
The public innovation actors in Finland

- University
- University unit
- Polytechnic
- Polytechnic unit
- VTT, Technical Research Centre of Finland or other public research institute
- Unit of public research institute
- Science Park

Source: Tekes
Education and scientific cooperation

There is a wide range of maritime education in Finland in terms of shipping, seafaring and maritime engineering as well as maritime sciences and research.

Cooperation with Brazilian Universities is important
- COPPE-AALTO general agreement 27.10.2010
- Cooperation negotiations with UFPE
WIDE RANGE OF OPPORTUNITIES EXISTS IN INCREASING THE MARITIME COOPERATION IN TERMS OF
- business B2B between companies
- productions methods incr productivity (time, space, materials), cost efficiency, quality,
- technology development and scientific cooperation
- educational cooperation
- governmental and public cooperation

Thank you for your interest and looking for cooperating with the Brazilian industry