



CETENA

Research, Consultancy and Technology for Ships and the Sea

A company of the FINCANTIERI Group from 1962, dedicated to research & development in the marine field , consultancy, services and training for ship designers, shipbuilders, suppliers and maritime operators

Main office in Genova

offices in: Trieste

Palermo

Muggiano

Castellammare

Ancona

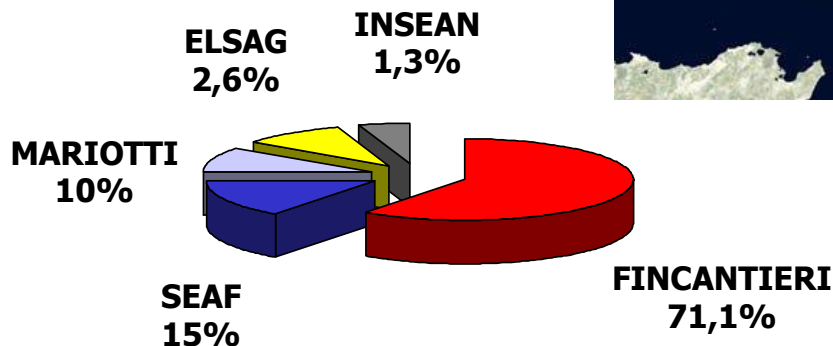
a **Workshop** in Riva Trigoso



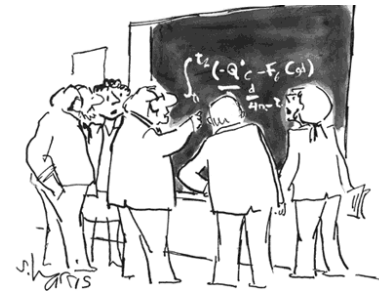
Staff: 69 people

Different skills for a good team

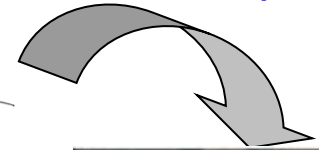
- ✓ naval architects
- ✓ mechanical engineers
- ✓ electrical engineers
- ✓ physicists/mathematicians
- ✓ civil engineers
- ✓ philosopher
- ✓ chemical engineers
- ✓ aeronautical engineer
- ✓ IT engineer
- ✓ architect
- ✓ maritime economy expert
- ✓ technicians
- ✓ ship designers



- **Applied Research**
- **Consultancy and Services**
- **Development of Tools and Methodologies** to help Ship Design and Ship Operations
- **Training, dissemination** (technical seminars, our conference NAV...)



BRIDGE
*between
the academic world
and the maritime
industry*



International memberships:

- **ISSC** (International Ship and offshore Structures Conference)
- **ITTC** (International Towing Tank Conference)
- **CRS** – Cooperative Research Ship
- **ECMAR** – European Cooperation in Maritime Research

CUSTOMERS

*Italian Navy
Ministry of Transport
Ministry of Industry
Ministry of Research
European Union
Orizzonte Sistemi Navali*

FINCANTIERI Cantieri Navali Italiani

Nuovi Cantieri Apuania

Intermarine

SAIPEM - ENI Group

Azimut – Benetti

Carnival Cruise Lines

Costa Crociere

Princess Cruises

LNG Shipping

Grimaldi

GNV

RINA

Bureau Veritas

Eliche Radice S.p.A.

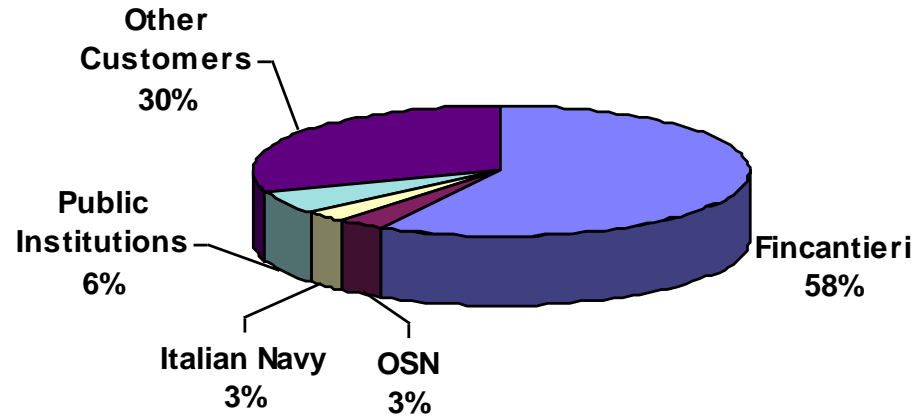
DETRA s.r.l.

Pompe Garbarino

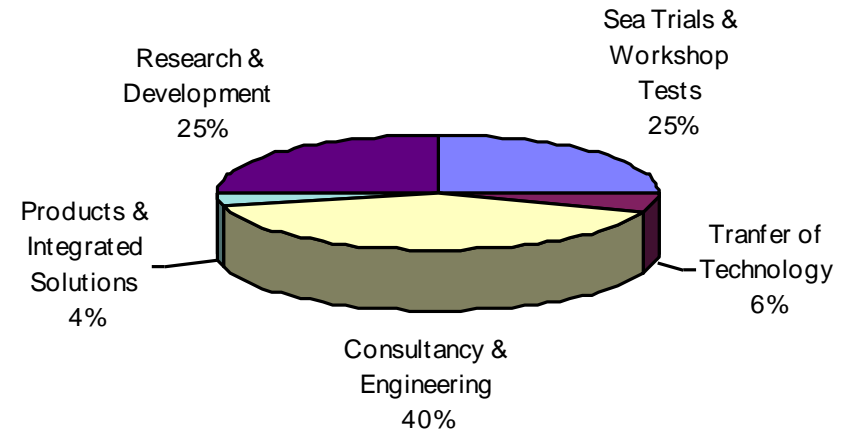
Naval Systems

Rochem Marine

Port Authorities



PRODUCTS and SERVICES

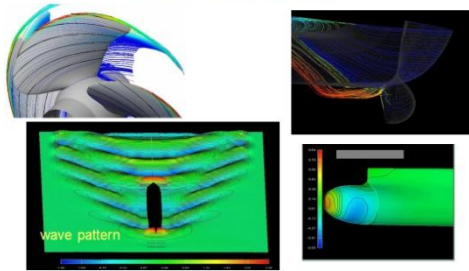


Main interests in the Call:

- SST.2012.1.1-1. Assessment and mitigation of noise impacts of the maritime transport on the marine environment
- SST.2012.4.1-1. Human element factors in shipping safety
- SST.2012.5.2-3. Innovative structural and outfitting materials for ships including inland ships
- SST.2012.5.2-5. E-guided vessels: the 'autonomous' ship

Competence Areas

FLUID DYNAMICS



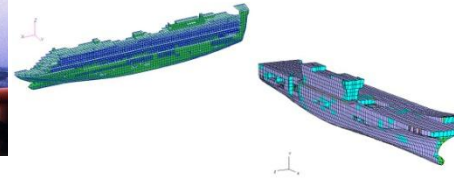
Competence Areas

SEAKEEPING, NAVIGATION, MANOEUVRING



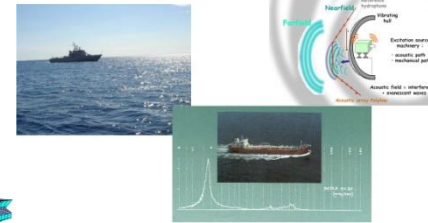
Competence Areas

STRUCTURES AND MATERIALS



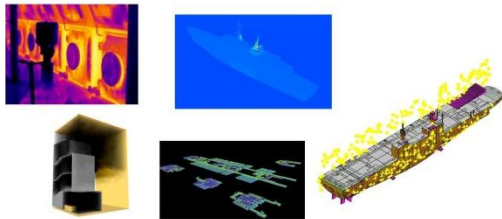
Competence Areas

VIBRATION AND NOISE



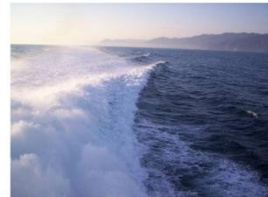
Competence Areas

SHIP VULNERABILITY, SHIP SIGNATURE, FIRE, EVACUATION



Competence Areas

Sea Trials and Workshop Tests



Competence Areas

ERGONOMICS AND HUMAN FACTORS



Competence Areas

VIRTUAL PROTOTYPING AND SIMULATION



TRANSFER of TECHNOLOGY



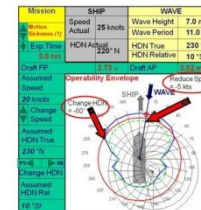
Products

NAVAL SIMULATOR



Products

MONITORING & DECISION SUPPORT SYSTEMS





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Thank you for your attention