

Product Categories SMM Hamburg 2016

1 Shipbuilding/shipyard industry

1.1 Ships (including repairs and refits)

1.1.1 Seagoing ships

- 1.1.1.1 Bulk carriers
- 1.1.1.2 Car carriers
- 1.1.1.3 Container ships
- 1.1.1.4 Cruise ships
- 1.1.1.5 Ferries
- 1.1.1.6 Fishing vessels
- 1.1.1.7 General cargo vessel
- 1.1.1.8 LNG and LPG carriers
- 1.1.1.9 Mega yachts
- 1.1.1.10 Oil tankers
- 1.1.1.11 Product and chemicals carriers
- 1.1.1.12 RoRo ships

1.1.2 Inland waterway crafts

- 1.1.2.1 Barges
- 1.1.2.2 Dry cargo vessels
- 1.1.2.3 Ferries
- 1.1.2.4 Passenger vessels
- 1.1.2.5 Tankers

1.1.3 Naval vessels

- 1.1.3.1 Submarines
- 1.1.3.2 Surface warships
- 1.1.3.3 OPV (offshore patrol vessels)

1.1.4 Offshore supply vessels

- 1.1.4.1 Drill Ships, FPSO / FSO
- 1.1.4.2 Offshore supplier
- 1.1.4.3 Wind turbine installation vessel

1.1.5 Ships for special assignments

- 1.1.5.1 Dredger
- 1.1.5.2 Research vessel
- 1.1.5.3 Tugs / push boats
- 1.1.5.4 Crafts for authorities and special-purpose ships

1.2 Shipbuilding materials and semi-finished goods

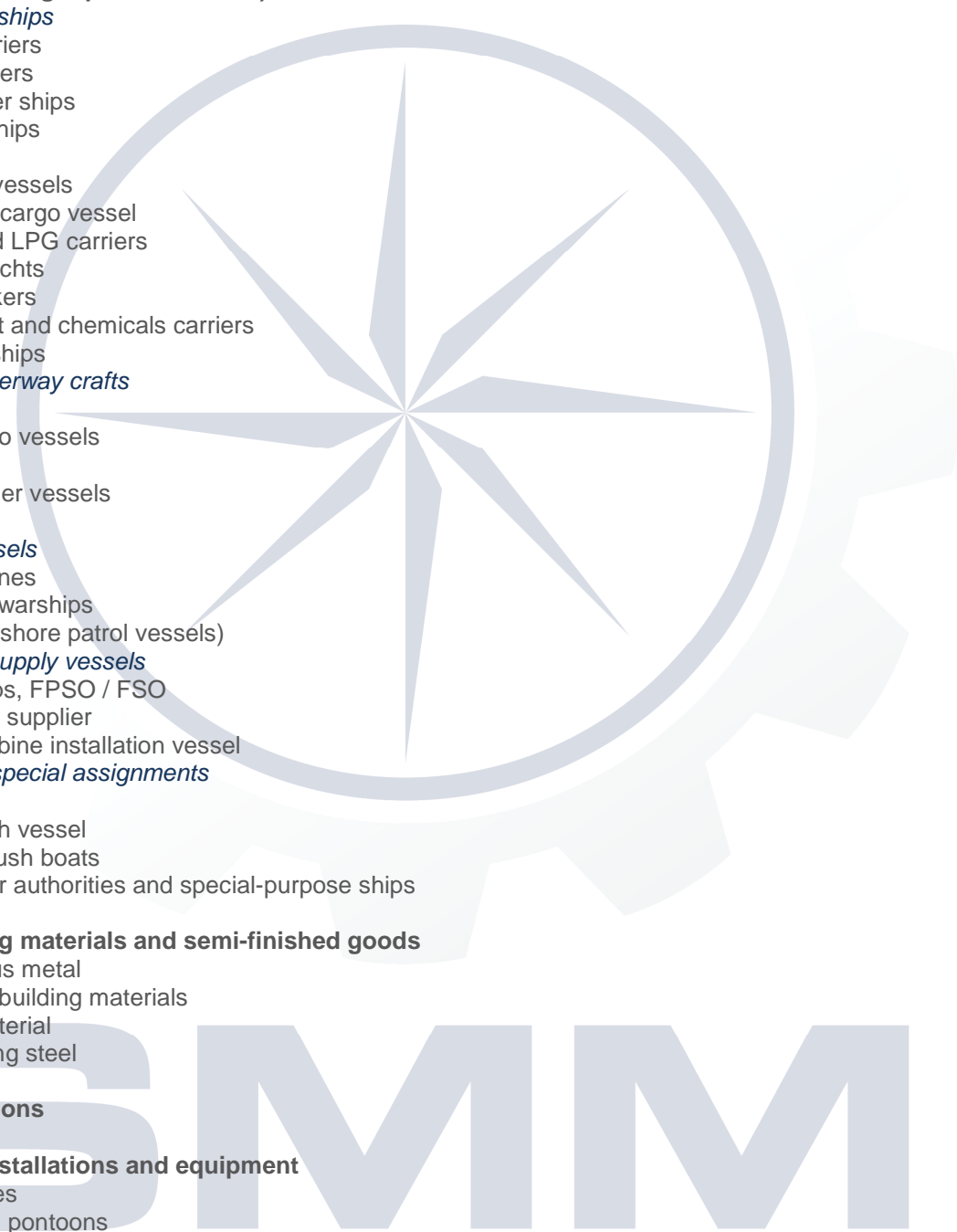
- 1.2.1 Non-ferrous metal
- 1.2.2 Other shipbuilding materials
- 1.2.3 Plastic material
- 1.2.4 Shipbuilding steel

1.3 Ships' sections

1.4 Shipyard installations and equipment

- 1.4.1 Accessories
- 1.4.2 Docks and pontoons
- 1.4.3 EDP technology
- 1.4.4 Lifting and transport technology
- 1.4.5 Measuring technology
- 1.4.6 Metal processing and metalworking
- 1.4.7 Paint spraying equipment
- 1.4.8 Scaffolding and racking
- 1.4.9 Ship cleaning
- 1.4.10 Storage technology

1.5 Superstructure, deckhouses



2 Ship fittings and equipment

2.1 Canals and cable channels

2.2 Doors and windows

- 2.2.1 Doors
- 2.2.2 Locks and hinges
- 2.2.3 Windows

2.3 Heat, noise and fire insulation

2.4 Lifts and mobile stairways

2.5 Pipes and hoses

2.6 Room layout including ventilation and air-conditioning plants

- 2.6.1 for corridors, lobbies, accommodation, dining rooms, lounges and shops
- 2.6.2 for operational and catering areas, nautical rooms, workshops and stores
- 2.6.3 for recreation areas, hospital and sanitary facilities

2.7 Ship, deck and safety equipment

- 2.7.1 Anchor fittings and accessories
- 2.7.2 Deck coverings
- 2.7.3 Deck machinery and accessories
- 2.7.4 Hatch cover and fittings
- 2.7.5 Insulation
- 2.7.6 Marine coatings, anti-corrosion materials
- 2.7.7 NBC – protection
- 2.7.8 Safety and rescue equipment

2.8 Stairways, rails, top rails

2.9 Stock and decoration, lighting, interior fittings

- 2.9.1 Furniture, soft furnishings, covers, floor coverings
- 2.9.2 Interior decoration, colour schemes, paints for interior use
- 2.9.3 Light fittings

2.10 Walls, ceilings, furniture systems and modules

- 2.10.1 Cabins
- 2.10.2 Furniture systems and modules
- 2.10.3 Walls and ceilings

3 Prime movers/ propulsion systems

3.1 Bearings

3.2 Brakes

3.3 Combustion Engines

- 3.3.1 < 1 MW
- 3.3.2 1-30 MW
- 3.3.3 > 30 MW

3.4 Couplings

3.5 Engine components

3.6 Engine maintenance

3.7 Exhaust gas systems / exhaust gas treatment

3.8 Fuel cell drives

3.9 Gears

3.10 Hybrid drives

3.11 Injection systems

3.12 Other drive systems

3.13 Pod drives

3.14 Propellers

3.15 Shaft units



- 3.16 Systems and components for alternative fuels**
- 3.17 Tools and accessories**
- 3.18 Turbines**
- 3.19 Turbochargers**
- 3.20 Water-jet drives**

4 Auxiliary systems for propulsion

* Including pumps, valves, separators, coolers, compressors, hydraulic and pneumatic equipment, filters, pipe systems, accessories

- 4.1 Compressed air systems***
- 4.2 Cooling water systems***
- 4.3 Diesel generators***
- 4.4 Fuel systems***
 - 4.4.1 Dual-Fuel*
 - 4.4.2 LNG*
 - 4.4.3 Methanol / Biofuels*
 - 4.4.4 MFO / MDO*
- 4.5 Fuels, coolants and lubricants***
- 4.6 Lubricating oil systems***
- 4.7 Shaft-driven generators***
- 4.8 Sludge and dirty oil systems***

5 Ship operation equipment

* Including pumps, valves, separators, coolers, compressors, hydraulic and pneumatic equipment, filters, pipe systems, accessories

- 5.1 Air-conditioning and ventilation systems***
- 5.2 Cooling systems***
- 5.3 Environmental protection technology and products***
- 5.4 Fire extinguishing systems***
- 5.5 Freshwater systems***
- 5.6 Heating systems***
- 5.7 Heel compensation units***
- 5.8 Lateral thrusters***
- 5.9 Pump and ballast systems***
- 5.10 Rudder units***
- 5.11 Ship safety equipment***
- 5.12 Stabiliser units***
- 5.13 Tank cleaning systems***
- 5.14 Tank filling systems***
- 5.15 Tank heating systems***
- 5.16 Waste systems***
- 5.17 Waste water systems***

6 Cargo handling systems

- 6.1 Lashing material**
- 6.2 Cargo handling systems for containers**
- 6.3 Cargo handling systems for dry cargo**
- 6.4 Cargo handling systems for liquid cargo**
- 6.5 Cargo handling systems for other cargo**
- 6.6 Conveyor systems**

7 Electrical engineering/electronics

- 7.1 Communications equipment**
- 7.2 EDP technology**
- 7.3 Electric propulsion technology**
 - 7.3.1 Converters
 - 7.3.2 Electric motors
 - 7.3.3 Generators
 - 7.3.4 Transformers
 - 7.3.5 Transverters



- 7.4 Lighting systems
- 7.5 Monitoring systems
- 7.6 Naval sensors
- 7.7 Navigation and position-fixing equipment
- 7.8 Shipboard networks, switchgear, installation
- 7.9 Ship management systems
- 7.10 Ship operation and automation equipment
- 7.11 Warning and safety equipment

8 Marine technology

- 8.1 Fixed and floating marine structures / platforms
- 8.2 Marine data, measurement and communication technology
- 8.3 Marine equipment and components
- 8.4 Offshore technology for exploitation of natural resources
- 8.5 Polar technology
- 8.6 Subsea technology
- 8.7 Systems and equipment for marine research
- 8.8 Systems and equipment for the control of marine pollution

9 Ports and port technology

- 9.1 Cargo handling and transport systems
- 9.2 External power supply
- 9.3 Floating and suction dredgers and components
- 9.4 Port construction and infrastructure
- 9.5 Port logistics
- 9.6 Port security systems
- 9.7 Supply and disposal systems
- 9.8 Vessel traffic

10 Maritime services

- 10.1 Classification
- 10.2 Consulting
- 10.3 Design
- 10.4 Documentation
- 10.5 Education and research
- 10.6 Financing
- 10.7 Hydrography
- 10.8 Institutions, organisations and associations
- 10.9 Insurance
- 10.10 Logistics services
- 10.11 Ship recycling
- 10.12 Ships' suppliers
- 10.13 Training and simulation
- 10.14 Vessel protection teams

11 Naval weapon systems

- 11.1 Counter-piracy systems
- 11.2 Diving and underwater equipment
- 11.3 Missiles, artillery, torpedoes
- 11.4 Naval aviation
- 11.5 Unmanned vehicles

12 Shipbrokers and charterers

13 Shipowners

14 Media

