

ORSKOV YARD

FREDERIKSHAVN · DENMARK

ONE STOP SERVICE 24-7-365
IN THE HEART OF SCANDINAVIA



COMMITTED
TO OUR CUSTOMERS
FOR MORE THAN 60 YEARS



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SHIP REPAIR & CONVERSION

24 HOURS A DAY, 7 DAYS A WEEK - 365 DAYS A YEAR

At Orskov Yard we repair and convert all types of vessels, and offer an extensive range of services. In close cooperation with other specialists, we provide all-round, one stop solutions covering all aspects of ship repair and conversions.

Our flexibility and know-how attract customers from all over the world.

Orskov Yard look forward to welcoming you in Frederikshavn.



WWW.ORSKOV.DK

WELCOME

Welcome to Orskov Yard

COMMITTED TO OUR CUSTOMERS FOR 60 YEARS

The Executive Board at Orskov Yard Christina Ørskov and Lars Fischer, are honored, on behalf of the company, to be able to celebrate the shipyards 60th anniversary.

The shipyard's mission is to provide superior ship repair and conversion services always exceeding the customers' expectations. The team of dedicated professionals build long-term relationships with the customers and business partners and Orskov Yard has been committed to their customers for 60 years.

We are always adapting to our customers' needs and developing the business with great flexibility. The shipyard services more than 100 vessels each year such as: Tankers, Offshore support vessels, Ro-ro, Ferries, Fishing vessels, Navy vessels, as well as, other specialized vessels.

Corporate Social Responsibility (CSR) is an important part of the culture at Orskov Yard - a great work environment where safety and health is important. We have a goal that 10 percent of the workforce should always be apprentices to make sure that the company is educating young people. Orskov Yard cares about the future.


"Our mission is to provide superior ship repair and conversion services always exceeding our customers' expectations"




Fact & Figures


DOCK AND CRANE SPECIFICATIONS

ORSKOV SOUTH

	Dock 3 - dry dock	
	Length	170,6 m
	Beam	25,4 m
	Beam between roller fenders	24,6 m
	Height of keel blocks	1,4 m
	Draught over keel blocks, aft	6,5 m
	Azimuth pit	7 x 8 m
	Crane 100 tonnes + 20 tonnes	

	Dock 4 - dry dock	
	Length	215 m
	Beam	34,0 m
	Beam between roller fenders	33,7 m
	Height of keel blocks	1,45 m
	Draught over keel blocks, aft	7,15 m
	Double Azimuth pits	9 x 9 m and 6 x 6 m
	Crane 50 tonnes + 50 tonnes	

ORSKOV NORTH

	Dock 2 - floating dock	
	Lifting capacity	4,200 t
	Length	115 m
	Beam	21,6 m
	Draught over keel blocks	7,45 m
	Azimuth pit	5,8 x 4,8 m
	Crane 10 tonnes + 5 tonnes	

OVERVIEW



- 1. Dry docks
 - 2. Floating dock
 - 3. Mechanical workshop
 - 4. Engine and Turbo workshop
 - 5. Ro-ro pier + spooling area for steamer
 - 6. Electrical workshop
 - 7. Electromechanical workshop
 - 8. Piping workshop
 - 9. Steel workshop
 - 10. Painting facilities
 - 11. Hydraulic workshop
 - 12. Interior workshop
 - 13. Life-saving equipment workshop
 - 14. Design office
 - 15. Main office
 - 16. Superintendent office
 - 17. Hotels
- A. Østre Kaj:
Lenght 115 m, water depth 5 m
- B. Kulkaj:
Lenght 310 m, water depth 8 m
- C. Montagekaj:
Lenght 300 m, water depth 6,4 m
- D. Andelskaj:
Lenght 215 m, water depth 8 m
- E. Tværkaj:
Lenght 85/90 m, water depth 8 m
- F. Mellemkaj:
Lenght 260 m, water depth 8 m
- G. New quay (Port expansion)
Lenght 600 m, water depth 11 m

Services at Orskov Yard

ORSKOV YARD IS COMMITTED TO GIVE OUR CUSTOMERS A CUSTOMIZED EXPERIENCE

Orskov Yard is a one stop shipyard located in Frederikshavn, Denmark – in the heart of Scandinavia.

We collaborate with specialized and trusted companies and have talented Project Managers and Foreman's whom tie everything together to make the time at the shipyard, as efficient as possible.

Orskov Yard is a qualified shipyard with triple ISO certification.

We always strive to find the best price and solution in collaboration with the customers, and we will do everything to make the customers feel at home while taking care of their vessel. The shipyard is, conveniently, located near the city center with hotels, shopping and restaurants.

At Orskov Yard our services include:

- Steel Constructions
- Piping & Refrigeration
- Engine & Mechanical Service
- Hydraulic Services
- Electrical Services
- Interior & Insulation
- Painting & Sandblasting
- Cleaning Services
- Life-saving Equipment
- Sustainable Solutions



Steel Constructions

ORSKOV YARD HAS THE CAPACITY, THE FACILITIES AND THE EXPERTISE

At Orskov Yard we have the capacity, the facilities and the expertise to engineer and execute all types of steel work in accordance with customer requirements – always meeting the highest quality standards.

Our services include:

- Aluminum, steel and weldox production
- Blocks up to 100 t
- Steel outfitting (ladders, brackets, windows etc.)
- Capable of handling complex projects with short delivery times
- CNC Plasma Cutting Machines
- Welding procedures and certificates available upon request



Piping & Refrigeration

ORSKOV YARD DELIVERS AND INSTALLS ALL TYPES OF PIPING SYSTEMS AND REFRIGERATION SOLUTIONS FOR MARINE APPLICATIONS

Our services embrace the entire process – from system design to project management and installation.

Our services include:

- Pipes in mild steel and non-ferrous material (Cunifer and Stainless Steel)
- Geberit piping for sea and fresh water
- Day to day delivery of hot galvanized pipes
- Flanges according to ANSI, DS, DIN etc.
- Overhaul of sea water valves and filters
- Welding procedures and certificates available upon request



Engine & Mechanical Service

TOGETHER WITH OUR PARTNERS ORSKOV YARD OVERHAUL AND REPAIR ALL TYPES OF ENGINES AND PROPULSION EQUIPMENT

We offer a full range of mechanical services and solve your problems fast and, efficiently, getting your vessel back up and running, as quickly as possible.

Our services include overhaul and repair of:

- Diesels engines and turbochargers
- Gearboxes
- Thrusters (tunnel, azimuth etc.)
- Winches
- Propeller blades inclusive polishing
- Shaft straightening
- Rudder
- Tools for honing, valve spindle grinding, valve seat grinding
- Laser alignment, calibration tools, surface grinding machines
- Onsite - machining



Hydraulic Services

ORSKOV YARD MAINTAINS, REFITS, REPAIRS AND INSTALLS ALL TYPES OF HYDRAULIC SYSTEMS AND EQUIPMENT

Orskov Yard and our partners maintain, refit, repair and install all types of marine hydraulic systems and equipment. In the fully equipped hydraulics workshop, our highly skilled specialists diagnose and solve any hydraulic problem that you might encounter.

Our services include:

- Low and high-pressure hydraulic piping in black and stainless steel
- Flushing of hydraulic systems
- Tailor made high pressure hydraulic hoses with fittings and certificates
- Hydraulic trouble shooting
- Installation of complete hydraulic systems
- Overhaul of hydraulic cylinders



Electrical Services

ORSKOV YARD AND OUR PARTNERS ARE ABLE TO OFFER A COMPLETE LINE OF ELECTRICAL SERVICES

With our highly skilled team, valuable know-how and years of experience, Orskov Yard and our partners offer a complete line of marine electrical services. The experienced electrical specialists provide fast and efficient quality installations and repair services on all types of vessels.

Our services include:

- Electrical design and engineering
- Electrical repair and modifications
- Installation of cables trays and cables
- Electric motor repair / rewind
- Megger test and thermographic survey
- Navigation and communication
- HVAC + sprinkler
- Ventilation
- Energy saving solutions



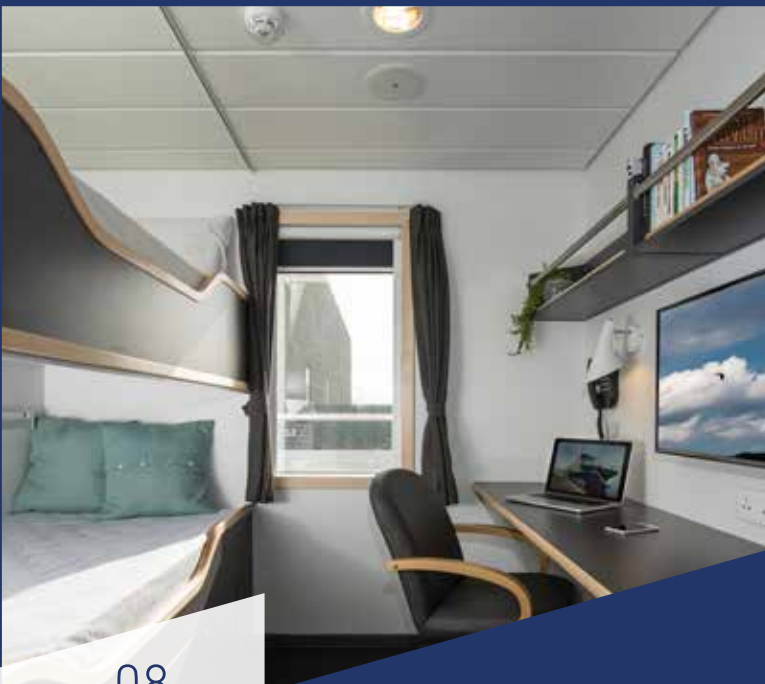
Interior & Insulation

ORSKOV YARD HAS EARNED A SOLID REPUTATION OF SUPERIOR CRAFTSMANSHIP

The shipyard and our partners are a leading provider of interior and insulation solutions for all types of vessels. We have earned a solid reputation of superior craftsmanship, first-class quality and on-time delivery.

Our services include:

- Accommodation work - interior design and outfitting
- Furniture production
- Technical insulation



Surface treatment

SURFACE PREPARATIONS, PAINTING AND COATING APPLICATIONS

Orskov Yard specializes in surface preparations, painting and coating applications to the marine industry. We can handle all your surface treatment and all work is performed by experienced and professional personnel.

Our services include:

- Grit-blasting up to Sa 3 – according to ISO 8501-1
- Upon request ultra-high pressure cleaning up to 3000 bar (hydro blasting)
- Painting of the underwater hull, topside and all other external surfaces.
- Specialized coating application for tank coating and tank lining.
- Sand-coating structure in floor paint (Nonskid surfaces) on lower decks on ro-ro vessels to avoid slippery when wet. (to obtain a safe working environment)



Cleaning Services

ORSKOV YARD OFFERS A WIDE RANGE OF CLEANING SERVICES

We have the experience, equipment and skilled personnel to offer a wide range of maritime cleaning services. We are committed to ensure environmental safety and comply with all maritime standards and regulations.

Our services include:

- Cleaning for inspection and hot work
- Oil, wastewater and sewage disposal
- Grease and ventilation duct cleaning
- Damage control after fire, water and oil related accidents



Life-saving Equipment

AT ORSKOV YARD SAFETY IS OF GREAT IMPORTANCE

We can deliver everything you need to make sure that your ship will be safe, and we can service your existing equipment, as well as, provide new life-saving equipment.

Our services include:

- One and five-year inspections of marine cranes and lifting gear
- Service, and maintenance of cranes and lifting gear
- Repair work on davits, winches, lifeboats, fibreglass and RIB boats
- Test and service of life-saving appliances, such as suits and life jackets
- Supply and service of wires ropes
- Service and pressure test of all type fire extinguisher and gear
- Recharge and hydro test of air cylinder for fire-fighting equipment
- Service of all type of fixed fire-fighting systems
- Service of medial system and oxygen
- Retermination of wire rope
- Service of loose/fixed lifting appliances
- Service of all type of rope/mooring rope
- Mounting of Heli nets



Sustainable solutions

AT ORSKOV YARD WE CARE ABOUT THE ENVIROMENT

We have the experience in vessel upgrades to meet current and future demands for low energy consumption and reduced pollution. We are, constantly, striving to improve our performances in sustainable solutions offered at Orskov Yard. Currently, we offer the following upgrades of your vessel.

Our services include installation of:

- Fuel optimized propulsion system / aft ship design
- Alternative power; such as LNG or Battery
- Shore Power
- Selective Catalytic Reduction (SCR)
- Scrubber systems
- Ballast Water Treatment Systems
- 5 ppm bilge water separators

Climate change call for innovative and creative solutions. At Orskov Yard we are striving to exceed the world's increased demand for energy in a sustainable way based on economic installation of environmental solutions. According to IMO; International Shipping is the most efficient, safe and environmentally friendly mode of transporting goods around the world. In other words, the future lies in upgrading your vessel to meet the future requirements.



POWER



WATER



FUEL



SCRUBBERS



Health & Safety

A SAFE WORK ENVIRONMENT AT ORSKOV YARD

We pride ourselves in having a good work environment and is constantly trying to improve in close cooperation with the safety committee. We wish to make the social values of the company visible, and we are committed to prevent injuries.

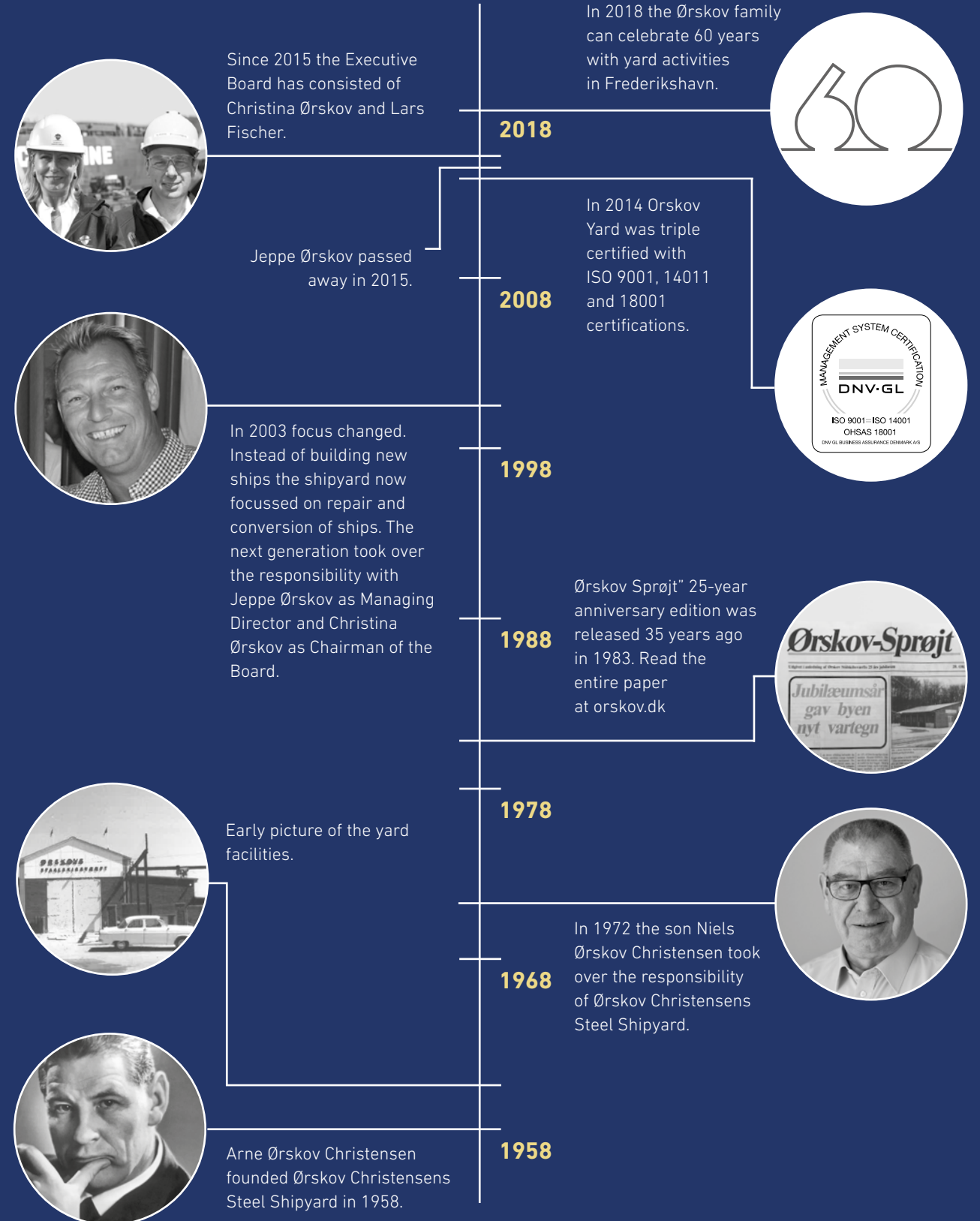
It's possible to download the safety manual in both Danish and English on our website www.orskov.dk. Furthermore, it is possible to access the safety manual in the Orskov Guest App. The manual describes safety in the shipyard, as well as,

how you should react in given situations. This manual applies to everybody on the shipyard premises. Safety is everyone's responsibility.



History timeline

FAMILY OWNED FOR SIX DECADES - ORSKOV YARD 1958-2018



Fishing Vessels

SUPERIOR SERVICE AT ORSKOV YARD

In the Spring of 2018 the two Fishing vessels Sivulliq and Inuksuk from Baffin Fisheries were overhauled and refitted at Orskov Yard.

Duane Hawkins, Trawler Manager / Naval Architect at Baffin Fisheries said the following after their stay:

"Thank you all for the professional and efficient work the past four months. You are all excellent to work with, there wasn't one worker I dealt with that wasn't pleasant all day every day, despite long days and hard work. A lot of hours were punched by all of us, so here's to a relaxing summer and a prosperous one for all."



Offshore Support Vessels

SUPERIOR SERVICE AT ORSKOV YARD



In the Spring 2018 Orskov Yard performed 10-year class renewal for V.ships and BP on the two Caledonian vessels: Vigilance and Vision. The platform support vessels were overhauled and fully sandblasted and painted.

Stuart Ironside, Fleet Manager at V.ships Offshore said the following after the job was done:

"I have been in ship management for the last 18 years and have been in Shipyards all over the world, the customer service we received at Orskov is second to none."

Navy Vessels

SUPERIOR SERVICE AT ORSKOV YARD

Orskov Yard received a contract for a major upgrade on the THETIS class in June 2015. In the National Defense Agreement 2010-14 it was concluded that the 4 units of the THETIS class should to be updated for continued usage.

"Orskov Yard has been officially evaluated by the Danish Navy, and given the grade 10 out of 12 which equals very satisfying."

The extremely high score was given for aspects such as: corporation, supplier organization, production planning, quality, safety, subcontractors, material delivery, approvals, documentation, Corporate Social Responsibility, military safety, press matters and other remarks.



Ferries and Cruise

SUPERIOR SERVICE AT ORSKOV YARD



National Geographic Orion arrived in Frederikshavn on 25th February on a Heavy Lift Vessel, having traveled more than 9200 Nautic Miles. Orskov Yard was chosen for the engine replacement job, as we were able to meet the required timeline.

Keith Adams, Ship Superintendent, NG Orion, Lindblad Expeditions said the following after the job was done:

"Orskov had competitive pricing but top of the line quality, and the deadline was met with 10 days to spare!"

The main job was to remove and replace the main engine. Furthermore, additional jobs were performed such as:

- 5 years class survey
- Overhaul of auxiliary engines, rudder and propeller
- Reinforcement of ice fins and teak deck
- Upgrade of the interior
- Blasting and painting of tanks, flat and side bottom and topside



ORSKOV YARD 60TH ANNIVERSARY

Arne Ørskov Christensen founded the shipyard in 1958, and since then the family have driven the activities at the Port of Frederikshavn. Through the years, the shipyard grew fast and in 1972 the next generation took over the responsibility of the company. However, in the 90's the competition from the far east made it difficult to run a new-building shipyard. In 2003 Niels Ørskov Christensen chose to close the new-building activities, which meant the beginning of a new era for the Ørskov family.

It was time for the 3rd generation of the family to take over the newly established repair shipyard called Orskov Yard A/S. Jeppe Ørskov became Managing Director and Christina Ørskov the Chairman of the Board.

The new company focused, primarily, on service and repair of ships from all segments of the maritime industry. This was set up with a wide range of collaborating companies located in the maritime cluster in Frederikshavn. The shipyard, quickly, had success and the development and recognition from the costumers went fast.

In 2014 Orskov Yard was triple certified with ISO 9001, 14011 and 18001 certifications.

After 12 successful years as Managing Director Jeppe Ørskov passed away.

Now the well-established and recognized shipyards' Executive Board consists of Christina Ørskov and Lars Fischer.



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FOR MORE THAN 60 YEARS**

