Sound infrastructures are indispensable for navies to operate efficiently and achieve levels of excellence: DCNS offers solutions to upgrade existing naval infrastructures or to manage a complete programme for new infrastructures.

The Group also proposes to operate and maintain all critical naval infrastructures related to the vessel's performances.
KEY POINTS

A world leader in naval infrastructures
DCNS has developed a unique expertise in naval infrastructures through four centuries of close cooperation with the French Navy. This allows DCNS to offer its international customers a unique integrated life cycle approach to naval infrastructures.

A range of infrastructure services tailored to the entire ship’s life cycle
DCNS is perfectly positioned to offer global infrastructure support optimising all phases of naval vessel performance:
- shipbuilding,
- maintenance and operations,
- decommissioning and recycling.

Our expertise ready to meet your naval infrastructure challenge
Covering all phases of project development, DCNS supports clients from project feasibility studies to delivering complete new build projects, including existing facility assessment.

A dedicated department focused on naval base infrastructures
Each programme involves a dedicated team in charge of the coordination of job profiles and industrial resources. Hundreds of engineers and technicians run projects stretching from technical assistance to EPC, including a panel of various skills:
- design and processes: experts in naval bases and specific processes,
- engineering: experts and specialised technicians in the fields of power generation and distribution, civil works, structures, mechanics, fluids, air-conditioning, handling, installation safety, weight reduction, electromagnetic compatibility, nuclear and pyrotechnics,
- manufacturing and construction: skills in project management, works coordination, trial management, final qualifications, commissioning and start-up procedures, operations and maintenance.

A WIDE RANGE OF SERVICES

- Operation and maintenance of naval base infrastructure and equipment
SERVICES FOR SHIYARDS AND FACILITIES

Global support for designing new solutions
In cooperation with armed forces or civil operators and local partners, DCNS has the vision to design complete and effective facilities meeting all operational needs in complex and sensitive environments:
- feasibility studies,
- master plans,
- conceptual designs,
- basic designs,
- technical specifications from main requirements.

Strong support for building new facilities
In cooperation with local partners such as civil engineering companies, DCNS can deliver new installations including complete naval base and critical facilities. DCNS proposes a range of solutions suited to the client’s needs:
- detailed designs,
- work supervision,
- Engineering, Procurement, Construction (EPC),
- turnkey solutions,
- EPC management.

Maintain continuity of operations for critical and complex facilities
In order to optimise performance, availability, safety, reliability and life cycle costs, DCNS provides clients with high-value and customised operations and maintenance services including maintenance engineering and in-service maintenance.

Consultancy services
DCNS proposes consultancy services supporting its clients with infrastructures sized to each kind of ships and submarines. These services include:
- strategic plans,
- site dimensioning, survey and selection,
- feasibility studies,
- construction/MRO process optimisation,
- design and specifications,
- bid and procurement management,
- works supervision and inspection,
- operational support and training,
- project management.

A large spectrum of operational expertise
- Naval and maritime infrastructures: dry-docks, ship lifts, dock gates, quays, etc.,
- specific workshops and warehouses with related equipment and networks: ship construction, maintenance, storage warehouses,
- production and distribution plants, umbilical services, fluids and energies: pumping stations, power plants, etc.,
- facilities,
- installation logistics and organisation,
- security of shipyards, harbours and strategic installations.
References

- **France**
  Design and upgrade of French SSBN naval base complex facilities to accommodate new SSN programme Barracuda.

- **Malaysia**
  Design and construction of the Scorpene®-class SSK Sapangar naval base.

- **Brazil**
  Design and construction of the S-BR class SSK Sepetiba naval base.

- **Saudi Arabia**
  Assistance for definition and building of naval base installations.

- **Singapore**
  Technology transfer for local shipyard.

- **Pakistan**
  Support of the PN dockyard and shipyard for submarine construction.