



becomes



PERFORMANCE

EXCELLENCE

INNOVATION

Innovation & Performance

We create the **products and services of tomorrow**; our innovation service is driven by a constant quest for perfection that pervades all our professions.

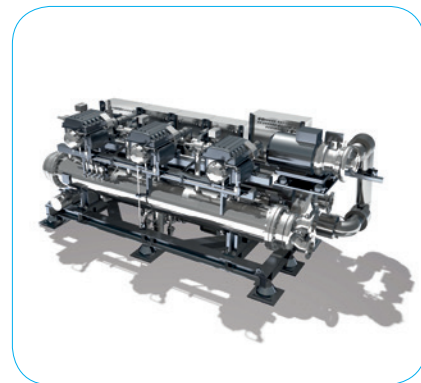
Design, manufacturing, installation and commissioning of customised solutions:



Hyfex System®

Fire Fighting System.

- **Flames are rapidly extinguished** due to the high cooling effect.
- Capacity to completely extinguish the fire, also in damaged structures.
- HyFex® System meets **international regulations and requirements** of marine fire protection (like DNVGL certified and tested for shock and vibration in line with international Naval Standards).



Refrigeration

Refrigeration units such as provision cooling, waste cooling and chilled water cooling systems.

- **High-performance chilled water units**, also at part load due to perfect control of the cooling capacity (i.e. variable-speed centrifugal compressor on Marenum®).
- **Environmental friendly provision cooling plants** (i.e. CO₂ as refrigerant).
- **Reliable solution** with minimal default risk, due to compressor's magnetic bearings (Marenum®).



Integrated air treatment

Compact, customised design integrable to fit the ship design at very early stage.

- Customised technical installation made in cooperation with naval architects (study of all possible configurations; 3D model integrating all technical constraints, including dimensional aspects).
- Bigger overall performance due to skid made standardisation.
- Solutions that meet all current maritime standards.

ENGIE Axima / Marine and Offshore: Your professional local partner

ENGIE Axima acquires NOSKE-KAESER® to become one of the **top 3 global players** for HVAC, Refrigeration and Fire Fighting System in **the Marine and Offshore market**.

Flash this QR code to learn more about the acquisition of NOSKE-KAESER®



105 million euros turnover

360 employees



16 international branches



www.engie-axima.fr/marine-offshore
www.noske-kaeser.com

| HVAC | REFRIGERATION | FIRE FIGHTING |



MARINE AND OFFSHORE Navigating further together



| HVAC | REFRIGERATION | FIRE FIGHTING |



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| HVAC | REFRIGERATION | FIRE FIGHTING |



Achieving customers challenges in economic performance, technical issues and digital transformation is our goal.

You are a ship owner, shipyard, a company in the shipbuilding industry or an industrial stakeholder in Defence or Offshore energy. **You want to invest in newbuilding or modernisation of your ships, platforms, equipment.**

You are looking for customised, turnkey solutions that are efficient, secure, digitalised and streamlined.

Whatever the context, our expertise and knowhow is at your service.

YOUR CHALLENGES

- Adapting to **constantly changing rules and regulation**.
- Making **smart investments** for durable, energy-efficient installations.
- Having **safe and high-performance equipment** on board.
- Being surrounded by **experts and responsive partners**.
- Having **equipment that is adapted to the diversity of your needs** (energy saving, environmental friendly, low acoustic signature, space rationalisation...).
- Having **reliable equipment and services** to deal with any eventuality.
- Incorporating the **security of people and property** into your decision-making process.

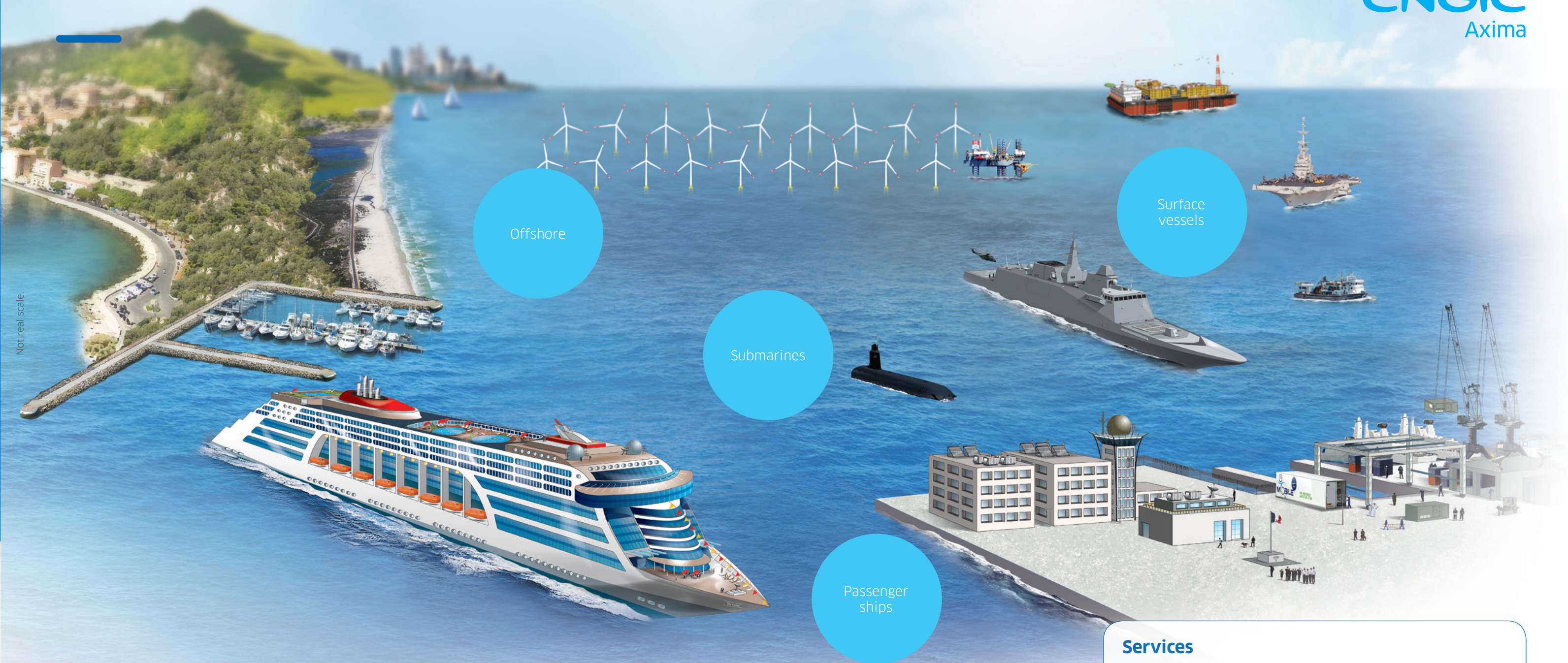
OUR SOLUTIONS

ENGIE Axima is **specialised in HVAC, incl. CBRN protection, Refrigeration and Fire Fighting Systems**, from design to operation, including installation and related services (BIM, spare parts...).

Our teams include integrated excellent engineering in its field to offer you technical solutions **adapted to your professional requirements and demands**.

- Experience.
- Analysing and consulting.
- Innovation and expertise.
- Customised and turnkey.
- Proximity and responsiveness.
- Support throughout the life cycle of the ship.

ENGIE Axima’s expertise for the Marine and Offshore industries



DESIGN AND BUILD

OPERATION

SERVICES

Design and Build

- Engineering, design and project management of HVAC, Refrigeration, Fire Fighting Systems.
- Designer and manufacturer of customised equipment, including installation on board.
- Commissioning and Handing Over.
- Nuclear ventilation.

Operation

- Remote operation (On and Offshore).
- Operational maintenance support.

Services

Digital services

- Connected ship and intelligent management of equipment and maintenance (CTM, connected objects, BIM, Laser Scanning, Laser Tracker...).
- Service (24/7): Predictive maintenance, real-time monitoring of performance, monitoring flows.
- Services for passengers: Mobile applications.

Technical services

- Training.
- Spare parts.
- Inhouse Performance Testing.
- Modernisation.

