

ENGIE Axima's expertise for offshore windfarm



Accommodation (for manned installation):
Individual or collective, low noise air-conditioning systems for crew comfort in accordance with international naval health and safety regulations. Fire fighting system design is done in accordance with international safety regulations.



Control system:
Dedicated or integrated HVAC AS (Automation System) to run the installations, optimize their energy efficiency and contribute to safety and maintenance management. Special designed for unmanned installation.



Chiller room:
Calculation of the most efficient cooling capacity and equipment sizing. Supply of different kinds of chiller technologies, including innovative, low energy in-house equipment.



AC rooms:
Design fully integrated to ship general arrangement (G.A.) thanks to compact coordination of ducting, piping and electrical networks, providing easy/smart maintenance areas.



Electrical and technical rooms:
HVAC system is designed and adapted to the special requirements of the room (internal loads, specific function, redundancy...). Fire fighting system is designed and adapted to the special requirement of the room (CO₂, NOVEC, HP or LP mist system).



Electrical switch board and control panel:
ENGIE AXIMA manufactures custom tailor made switchboard and control panel with which you will be able to gain a quick and comprehensive overview of different systems installed on board. Equipments are designed under ships constraints conditions (EMC compatibility, compact volume, power supply AC/DC, vibrations resistant). The switchboards and control panel ensure safe operation as per client and international regulations requirements.



Air inlet/outlets:
Integration of low noise, high efficiency sea mist eliminators and louvers to preserve the downstream HVAC installation.