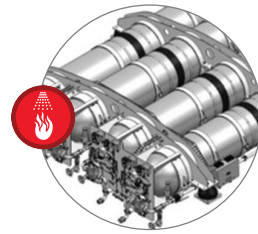
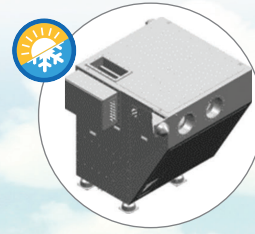


ENGIE Axima's expertise for submarines



Fire fighting system:

Supply of every firefighting system available (CO₂, high pressure water mist...) specifically adapted and optimized for every submarine. Supply of NITREX firefighting system (nitrogen firefighting system specially developed by ENGIE Axima). The NITREX is specially designed for submarines, engine room and battery rooms. Flexibility as an extinguishing agent pure nitrogen in harmless to people and atmosphere.



Operational rooms:

HVAC equipments designed and adapted to the specific requirements of the room. HVAC equipment ensures operational readiness through optimal climate control under ship constraints conditions (shock, low vibrations and noise signature, compact volume, power supply...).



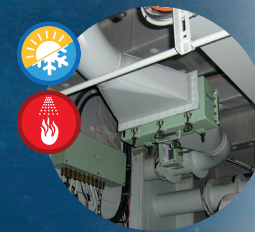
Electrical switch board and control panel:

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 system on board. Equipments are designed under ships constraints conditions (shock resistant, low vibrations and noise signature, compact volume, power supply AC/DC, EMC...). Equipments ensure safe operation.



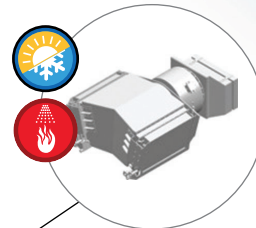
Galleys:

HVAC units and ventilation designed for galley equipments with specific filtration (active carbon filter).



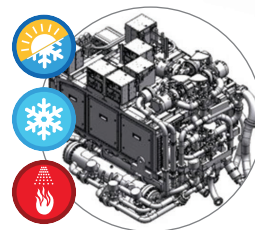
Ammunition room:

Supply of dedicated HVAC equipment to ensure highly accurate air temperature and humidity control under ships constraints conditions. HVAC equipment designed in accordance with specific naval regulations.



Engine rooms:

Supply of dedicated and independent air conditioners to ensure safe operation of equipment located in the engine room. Air conditioners are designed under ship constraints conditions (shock, resistant, low vibrations and noise signature, compact volume, power supply AC/DC...).



Chiller water plant room:

Supply of optimized chiller water units adapted for necessary performance on board. The chilled water is used of cooling HVAC systems and electronic/weapon system. Use of environmental friendly refrigerant. Exclusive and special design for condensers/receivers and evaporators. Chilled water as well as seawater pumps are integrated on the unit. Chilled water plants are designed under ships constraints requirements (shock resistant, low vibrations and noise signature, compact volume, power supply, redundancy, EMC...).



Refrigerating rooms:

Supply of dedicated refrigerating plants and evaporators specially designed for optimized performance and hygiene. The refrigerating plant secures an adequate supply of provisions for crew on short and long terms operations. Refrigerating plants and evaporators are designed under ship constraints conditions (shock resistant, low vibrations and noise signature, compact volume, power supply AC/DC, redundancy...). The system feeds the standard refrigerating room as well as refrigerators in the galley area. Use of environmental friendly refrigerant.



Accommodation:

Collective or individual low noise air conditioners supply to ensure optimal climate control under ships constraints conditions (shock, low vibrations and noise signature, compact volume, voltage AC/DC...).