

ENGIE Axima's expertise for specialised ship



Helicopter or vehicle Hangar:

Supply of dedicated ventilation and AC Systems in explosion proof environments in accordance with specific naval health and safety regulations. Supply of Hydro fire extinguishing system (HiFex) dedicated for Hangar compartments. HiFex system is a low-pressure water mist system with foam liquid addition.



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. Firefighting system is designed and adapted to the special requirements of the compartment (CO2, NOVEC HP or LP water mist system...) in accordance with client and international safety regulations.



Supervision / Central control room:

Dedicated or integrated HVAC AS (Automation System) to run the installations, optimize their energy efficiency and contribute to safety and maintenance management. Proper redundancy and SIL level will be considered as per client needs.



Air Inlets / Outlets:

Aesthetic integration of low noise, high efficiency sea-mist eliminators and louvers to preserve the downstream HVAC installation.



Laboratories or clean rooms:

Depending on the system selected by the client (type of Fume Cupboard and Safety Cabinets), we design, supply and commission the associated ventilation system for the Laboratory. Firefighting system is designed and adapted to the special requirements of the compartment (CO2, NOVEC HP or LP water mist system...) in accordance with client and international safety regulations.



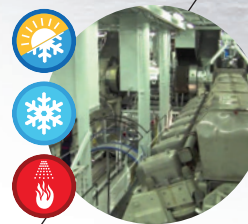
Fire fighting system:

Supply of every firefighting system available (CO2, high pressure water mist...) specifically adapted and optimized for every vessels.



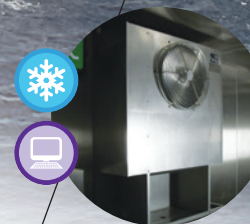
Engine rooms / Machinery rooms:

AC/Ventilation and firefighting systems are designed and fully adapted to all machinery equipment and arrangements. Supply of dedicated chilled water or sea water coolers for NRBC requirements. Design is done in accordance with international design and safety regulations. Supply of dedicated firefighting system for sound enclosures of diesel engines and gas turbine.



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 (compact volume, power supply, redundancy, EMC, vibrations resistant...).



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.



Galleys:

Supply of dedicated ventilation and AC System designed for all galley equipment type, for all configuration and arrangement of Galley. The system is also designed in accordance with international naval health and safety regulations. Supply of dedicated firefighting system (HiFex) based on CO2 and chemical fire extinguishing agent for galley typical area (Deep fat Fryers, Cooking range, Galley hoods, Exhaust ducts...) supply of dedicated refrigerating units for galley equipment.



Accommodations compartments:

Individual or collective low noise AC systems for crew comfort in accordance with international naval health and safety regulations. Firefighting systems design is done with international safety regulations.