



AN OCEAN OF KNOWLEDGE



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Whatever your Commercial or Naval Marine Gas Turbine requirements may be, Cullum Marine offers specialist services to ensure unrivalled operational capability across all Classes is achieved.

Our Marine division is today recognised as an industry leader in providing world class products and services to shipyards, engine suppliers and operators to support both new and in-service Marine Gas Turbines.

Our pursuit of excellence has earned us the respect of certification authorities such as Lloyds Register, ABS, DNV and BV and is your guarantee of the highest quality.

Our extensive portfolio of products and services ranges from Shipyard Installations, Integration of Gas Turbines to Marine Engine Test Facilities.

For new build and re-fit Naval and Marine Projects, Cullum offer complete support to naval architects and dockyards from the initial concept through to detailed design, fully supporting the integration into the Vessel. This support extends to providing our manufactured products for integration into the vessel build programme, which may include full shock testing to MIL-S-901.

Cullum Marine's capabilities include:

- High Velocity Marine Gas Turbine Air Inlet & Ventilation Filtration and Salt Separation Systems.
- Marine Gas Turbine Air Inlet & Ventilation Filtration Ancillary Systems including anti-icing solutions, high velocity inertial separation systems (for storm protection) and inlet air chilling systems.
- Gas Turbine Air Inlet Systems including plenums, silencers, ducting, expansion joints, acoustic cladding, integration of engine removal systems, bulkhead and deck seals.
- Gas Turbine Exhaust Systems including exhaust ducts, silencers, discharge mixing devices, expansion joints, bulkhead sealing and acoustic & thermal cladding systems.
- Machinery Noise Control and Acoustic Enclosures and their associated protection and interface systems (Fire and Gas Systems, Detection & Suppression), including SOLAS A0 and H0 fire certified enclosure designs.
- Gas Turbine and Driven Equipment Ventilation Systems including silencers, fans, retention dampers, bulkhead sealing, ducting and their acoustic treatment.
- Ship based Electrical and Mechanical Support Engineers for Installation and In-service Maintenance.

Marine Gas Turbine & Machinery Package Solutions for Manufacturers & OEM Packagers.

For Marine Gas Turbine & Machinery Manufacturers and OEM Packagers, Cullum offer an extensive range of package products and services for new build and retrofit Naval and Marine Projects.

Our capability extends from the supply of Noise Control Products, Complete Gas Turbine Packaging and Integration, through to the supply of a full Marine Gas Turbine Test Facilities.

To ensure optimum performance in every environment all of our products are engineered in house to exacting global standards. Our capability ranges from engineering design, project management, global manufacture, installation, commissioning and lifetime product support.

- Marine Gas Turbine and Alternator Packaging and Integration at our UK Facility or Third Party yard. Scope of supply includes Base Plate, Fluid Systems, Control System and Full Mechanical and Electrical Integration, including Shaft Train Alignment.
- Supply and integration of Machinery Noise Control Equipment including Acoustic Enclosures incorporating associated Fire & Gas Detection & Suppression Systems (SOLAS A0 & H0) Plenums, Engine Removal Systems.
- Capability to provide turnkey Marine Gas Turbine Test Facilities, including Civil, Mechanical and Electrical services, together with Acoustic and all Support Systems, such as Engine Fluids (Lubrication and Hydraulic Oils, Fuel & Pneumatics), Engine and Facility Control and Data Acquisition System.

Assuring you of Quality at all times our activities are managed in accordance with ISO 9001:2008, Cullum maintain SABRe Registration, and to meet our commitment to the environment are accredited to ISO 14001:2004.

Wherever your marine Gas Turbine may be, and whatever the challenge you face, you can trust Cullum Marine to supply the Solution.