GE Customized In-Service Support Agreements Offer Optimum Fleet Readiness

Royal Australian Navy

As a longstanding supplier, 28 GE LM2500 engines power 100% of the Royal Australian Navy's (RAN) gas turbine fleet. GE also provides the Australian Capability Acquisition and Sustainment Group's Maritime Cross-Platform Systems Program Office with customized shipboard and depot level maintenance for the RAN's LM2500 gas turbines on these ships: the *Adelaide* and *Anzac* class frigates, and two Landing Helicopter Dock ships HMAS *Canberra* and *Adelaide.* Depot level maintenance is performed by Air New Zealand, an authorized LM2500 service center and longtime RAN service provider.

Shown is the RAN's *Canberra* LHD amphibious assault ship. Photo courtesy of the RAN.

The RAN's two powerful LHDs are electric drive ships. Thus GE's maintenance and support contract covers the gas turbine, package and the generator. In contrast, the *Adelaide* and *Anzac* ships are mechanical drive, so there is no electrical generator coupled to the gas turbine. The RAN's new *Hobart*-class Air Warfare Destroyers (AWD) also will be powered by GE LM2500 gas turbines.

Royal Canadian Navy

The Royal Canadian Navy (RCN) has 24 LM2500 marine gas turbines that propel their *Halifax*-class frigates. Since 2001, GE has provided customized maintenance and logistic support services for the RCN's LM2500 gas turbine fleet under a contract with Public Services and Procurement Canada.

Shown is the RCN's *Winnipeg* frigate. Photo courtesy of the RCN.

The contract provides the RCN with many benefits, most notably the impressive availability of the RCN's LM2500 fleet over the 16 years of the GE contract, which averaged 99.9%.

GE's customized in-service support agreements with the RAN and RCN include onsite technical support 24-hours-a-day, 7-days-a-week, as well as:

- **LM2500 gas turbine propulsion system maintenance and overhaul**
- **Parts warehousing and inventory management (including spare engines, supply of spare parts and replenishment of inventory)**
- **Onsite field service support (home port and deployed)**
- **Support of school training curriculum for on-engine and equipment maintenance**
- **Configuration management**

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