

Completion of the first unit of the Wärtsilä type electronically controlled marine diesel engine

Hitachi Zosen Diesel & Engineering Co., Ltd. (located in Nagasu-machi, Tamana-gun, Kumamoto prefecture. President: Kenji Sawada. Hereinafter referred to as HZD&E) is a subsidiary wholly owned by Hitachi Zosen Corporation. HZD&E manufactures sells and provides after-sales service for marine engines. HZD&E recently completed an electronically controlled marine diesel engine (Wärtsilä 6RT-flex50-B type engine. Maximum output: 9,960KW (13,560 horsepower) × 124rpm) for Wärtsilä Switzerland Ltd. (location: Winterthur, Switzerland)

Wärtsilä Switzerland Ltd. ordered 4 Wärtsilä type (previously, Sulzer type) RT-flex type electronically – controlled engines in April, 2007 from HZD&E. HZD&E resumed manufacturing for the first time in 11 years and this engine is the first completed unit of the 4 ordered. This engine is an environment – responsive engine that can be controlled flexibly through electronic control and discharges low levels of NOx, has low fuel consumption and discharges little smoke. The first RT-flex type unit in the world went into service in January, 2001 and has been showing good operating results. It has also been showing a lot of good results as an engine that is innovative and reliable.

With regards to electronically controlled marine engines, HZD&E is the only double licensee of the Wärtsilä-type and MAN B&W type in Japan. As for MAN B&W type engines, HZD&E completed Japan's first electronically controlled engine and has already achieved delivery of 6 units. Also, HZD&E finished expanding their precision machine factory for marine fuel pumps and marine fuel valves in October, 2006. Additionally, the construction of a new factory for increasing production is scheduled to start this month and HZD&E aims to establish, in 2011, an approximately 2 million horsepower production system. This is about twice the current production capacity. HZD&E will continue to meet our diversified customers' needs and expanding supply demand by effectively using the technical advantages we have obtained through dealing with both types of electronically controlled engines.

The following is an overview

Customer	Wärtsilä Switzerland Ltd.
Building dock	Nanjing Wujiazui Shipbuilding Co., Ltd. (China)
Main engine type	Hitachi Zosen – Wärtsilä 6RT-flex50-B type engine
Maximum output	9,960KW (13,560 horsepower) × 124rpm