

Wärtsilä Mini Micro Module for transverse thrusters upgrade kit



After years of use, the elements of a control system deteriorate because of aging. Spare parts become obsolete and scarce. This causes unexpected maintenance and repair periods, resulting in high operational costs and off hire.

At Wärtsilä we are committed to supporting our customers throughout the entire lifecycle of the supplied equipment. We strive to maximise the useable life of our customers' equipment investment.

The Mini Micro Module (MMM) propulsion control system is based on early digital designs and can be found onboard vessels with an average age of 15 years, delivered between 1999–2008. Since 2005, the early digital designs are no longer delivered and new, latest technology control systems are replacing them. This system is becoming obsolete soon.

The Wärtsilä MMM for TT upgrade kit is aimed at customers with an obsolete MMM system, in particular

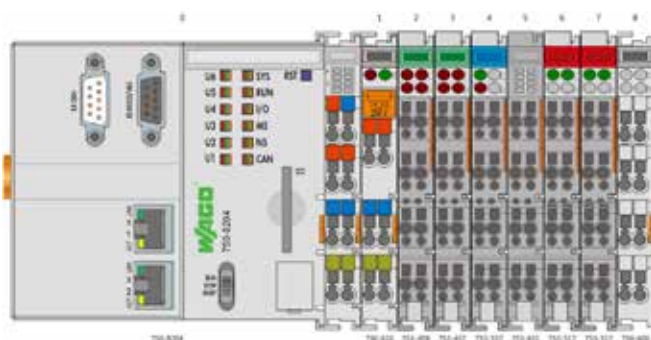
marine, merchant and special vessels. It is a low cost, standard replacement kit. The upgrade kit is an in-cabinet solution, which means that the existing cabinet, cabling and panels stay as they are, resulting in low investment costs.

THE REPLACEMENT PACKAGE INCLUDES:

- Replacement kit with connection sleeve for original MMM (W006927793) and installation material package.

BENEFITS

- Direct replacement of existing system component, covering existing functions
- Highly standardized in-cabinet solution
- Reliable digital control system with trouble-free operation
- Secure, safe and reliable operation for vessels with the MMM system
- Reduced operational costs thanks to more accurate control and operation
- Short delivery (less than 2 months) and commissioning time of approximately 1 day per equipment.



Configuration of the upgrade