



## Case Study:

Vessel: MV Scot Bay  
 Engine: Wärtsilä 6L26  
 Equipment: Wärtsilä Engine Control System (WECS 2000)

## Engine Control Panel Replacement

### Vessel:

The MV Scot Bay, part of Scotline's fleet headquartered in Rochester, UK, is a general cargo ship primarily engaged in transporting lumber across Europe and the UK. Scotline, who's fleet is managed by Intrada, operate a total of 12 vessels, including the MV Scot Bay, which was constructed in 2001 alongside two sister ships.

### Problem:

The challenge at hand involved the replacement of the outdated Wärtsilä Engine Control System (WECS 2000) installed on the Wärtsilä 6L26 propulsion engine of the MV Scot Bay. The existing system, prone to heat and engine-induced vibrations, posed risks of costly repairs and downtime due to the obsolescence of its components.

### Solution:

To address this concern, collaboration was established with ComAp, a manufacturer specialising in engine control systems. They proposed a solution featuring their Main Engine Control Panel, designed to seamlessly integrate with the ship's existing systems such as AMS and CPP, utilising newer more robust components. This partnership ensured enhanced functionality, while also providing global service and support to mitigate potential future risks.

### Scope of Work:

The original engine-mounted control system was replaced with a Local Operating Panel housing the main control unit, safety system, HMI, and push buttons. Additionally, one or more Extension Panels were installed to accommodate modules interfacing with engine sensors and actuators.

