

Case Study:

Passenger Ferries

Volvo Penta D13 IMO Tier III Installations

Passenger Ferries Installed with Volvo Penta Tier III Marine Engines

Requirement

A client owned two vessels equipped with diesel-driven generators and main propulsion engines that had accumulated high running hours and were the end of their operational lifespan. Additionally, the main engines of a third vessel were deemed overpowered based on studies. All these vessels required replacement of their engines with ones certified under IMO Tier III regulations. The client sought to execute these replacements during a dry docking season and put the contract out to a tender.

Royston's Solution

Royston, as Authorised Volvo Penta dealers, presented a solution proposing the installation of 2 x Volvo Penta D13 IMO Tier III main engines and Emission After Treatment System (EATS) for vessels 1 and 3. For vessel 2, Royston recommended 4 x Volvo Penta D13 IMO Tier III certified generator sets with EATS. This recommendation was based on the reliability, fuel efficiency, and emission reduction capabilities of the Volvo Penta engines. These engines were specifically designed to reduce harmful emissions from internal combustion engines, ensuring compliance with IMO Tier III regulations on NOx emissions. Moreover, they were tailored to meet the client's delivery timeline and specific requirements.

Result

Royston's tender was selected due to its ability to fulfill the work scope and meet the client's needs, the quality of the proposed Volvo Penta solution, and competitive pricing. The engines were successfully installed, commissioned, and subjected to sea trials during the dry docking seasons. They were promptly operational for service immediately afterward.