
Shipengineerroomsimulatorsoftwaredownload |VERIFIED|

Virtual Engine Room is a PC-based full mission engine room simulator. It helps you to learn the typical ship's engine room operating . Engines The engine room is the heart of a ship. Many different models of engines exist, ranging from the economical diesel engine to the high-performance diesel-electric hybrid. While most models of engines are similar in principle, the process of functioning of an engine depends on the size of the engine as well as the vessel. Most ships carry a main engine, a backup engine, a diesel-electric hybrid system, a gas engine, and a gas engine. The type of engines varies according to the size of the vessel. Gas engine The term gas engine (also known as a Compressed air engine) is used to describe a class of steam-powered marine internal combustion engines, most notably the side-cylinder engine which was in production in the 1950s. Diesel engine Most diesel engines in use today are side- or opposed-piston engines. The common propeller drive ship has a pair of side-by-side cylinders; and smaller vessels often use an opposed-piston engine. Diesel-electric hybrid The diesel-electric hybrid (DEH) is a diesel engine that is mechanically coupled to an electric motor. The purpose of a diesel-electric hybrid is to provide low noise, good fuel economy, and a more efficient mode of operation. Diesels and diesel-electric hybrids make up the majority of marine powerplants. Diesel-electric hybrids are used in either slow-speed or trolling situations. In high-speed or higher-torque applications, only a diesel engine is used. Main engines The primary motive force for the propulsion of a ship is its main engine. There are three basic types of main engines: 3-cylinder direct-drive diesel engines (ODDIE) 3-cylinder direct-drive diesel engines are the most common type of diesel engine for propulsion. The power output of an ODDIE depends on the design of the engine, the horsepower of the engine, and the revolutions per minute (RPM) of the engine. In operation, the RPM of an ODDIE engine is typically controlled through the use of a governor. The type of governor depends on the class of the engine. ODDIEs are found on all vessels except small passenger vessels and cruise ships. A diesel-electric hybrid will have

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