

The K-Sim Engine GE LM2500 30

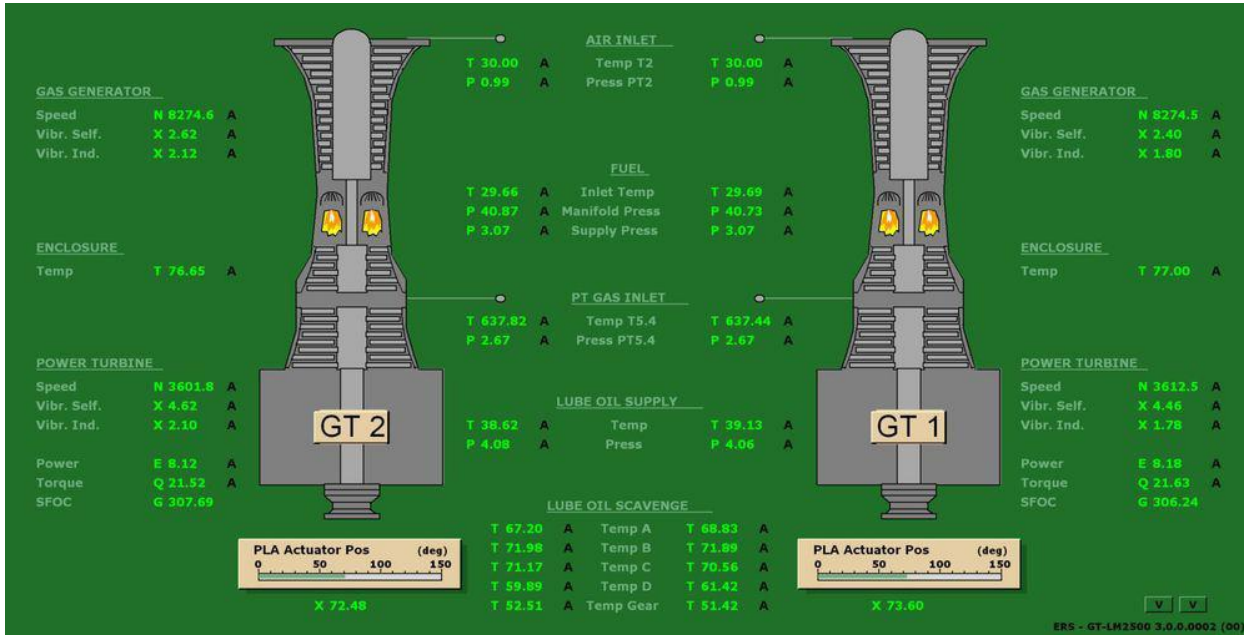
The K-Sim Engine GE LM2500 30 gas turbine simulator is designed to be a training package consisting of two General Electric LM2500 gas turbines. Each of them can be connected to an electric load or to water-brake via reduction gear for studies of gas turbine behavior against different types of load and conditions. The modelled gas turbine is based on General Electric's two shafts heavy-duty gas turbine comprising a single spool gas generator followed by a power turbine.

Training objectives

The K-Sim Engine GE LM2500 30 Gas Turbine model is designed to be a valuable tool in the basic and advanced training of marine engineers. The training objectives are to train junior engineers in basic engine room operations, senior engineers in emergency operations and trouble shooting, and to train senior and chief engineers in optimal operation, fuel economy and energy conservation. This is achieved by controlled training, leading to better understanding of the total plant operation, as a result of realistic simulation of a real engine room.



Compliant with industry requirements: Kongsberg Digital simulator models exceed requirements in the STCW convention, Regulation 1/12 and fulfill DNV GL's standard DNVGL-ST-0033 for Maritime Simulator Systems.



Model Main Specifications

High fidelity engine room systems include:

For Gas Turbine 1 and 2:

- Fuel oil supply system
- Lubrication oil system
- Starting/ignition system
- Fuel system
- Ventilation/fire extinguish
- Load system
- Speed controller, incl. the facility to customize controllers for optimal control during various conditions
- GE Control Panels