

K-SIM ENGINE



KONGSBERG



K-SIM GE LM2500 30 GAS TURBINE

The K-Sim 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 behaviour against different types of load and condition.

Kongsberg Engine Room Simulators

Our engine room simulators provide realistic, hands-on experience in a ship-like environment. Systems include vital components, such as main engine remote control, engine-room local panels, controllers, engine telegraph, alarm systems, power supply switchboards, engine sounds etc.

We have an extensive model library of different propulsion plants and engines types, certified by the engine manufacturer as exact simulations.

Our library includes models of diesel engines such as MAN B&W, Wärtsilä, Sulzer, Pielstick, MaK and MTU as well as gas turbine, diesel electric, water jet and steam propulsion plants.

Our systems can be easily networked with our full ship's bridge simulator for total ship training.

Model Description

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.

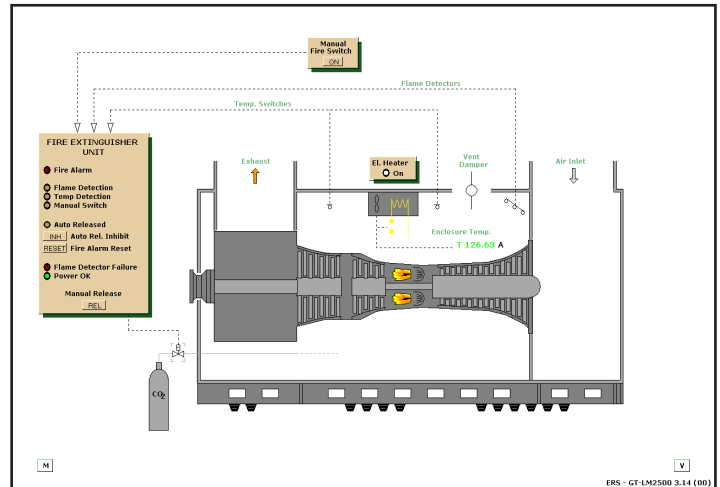
Fulfilling the requirements

The K-Sim Engine GE LM2500 30 Gas Turbine simulator model exceeds requirements in the STCW convention, Regulation 1/12 and fulfills DNV GL's standard DNVGL-ST-033:2014-08 Maritime Simulator Systems.

MODEL FEATURES & DETAILS

Gas turbine data

Type	GE LM2500
Power	19700 kW
Speed	3600 RPM
Spec. fuel consumption	237 g/kWh



Fuel oil system

MODEL MAIN SPECIFICATIONS

High fidelity engine room systems are included:

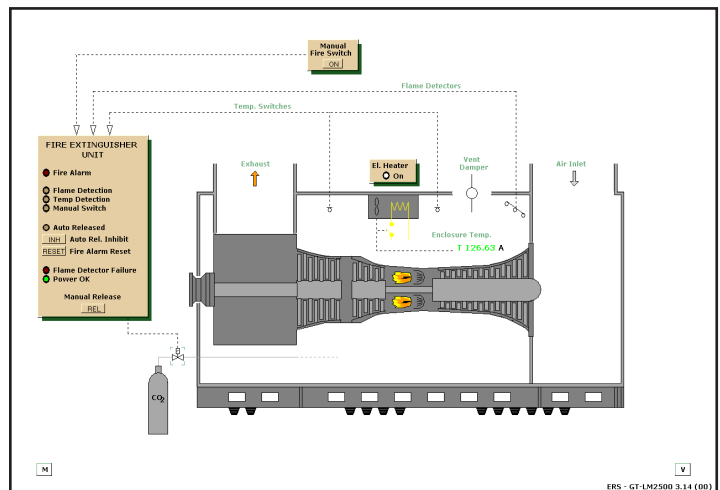
- Fuel oil supply system
- Lubrication oil system
- Starting/ignition system
- Fuel system
- Ventilation/fire extinguish
- Load system
- Speed controller

Incl. the facility to customize controllers for optimal control during various conditions

- GE Control Panels
- 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



Electrical power plant

Specifications subject to change without any further notice.

