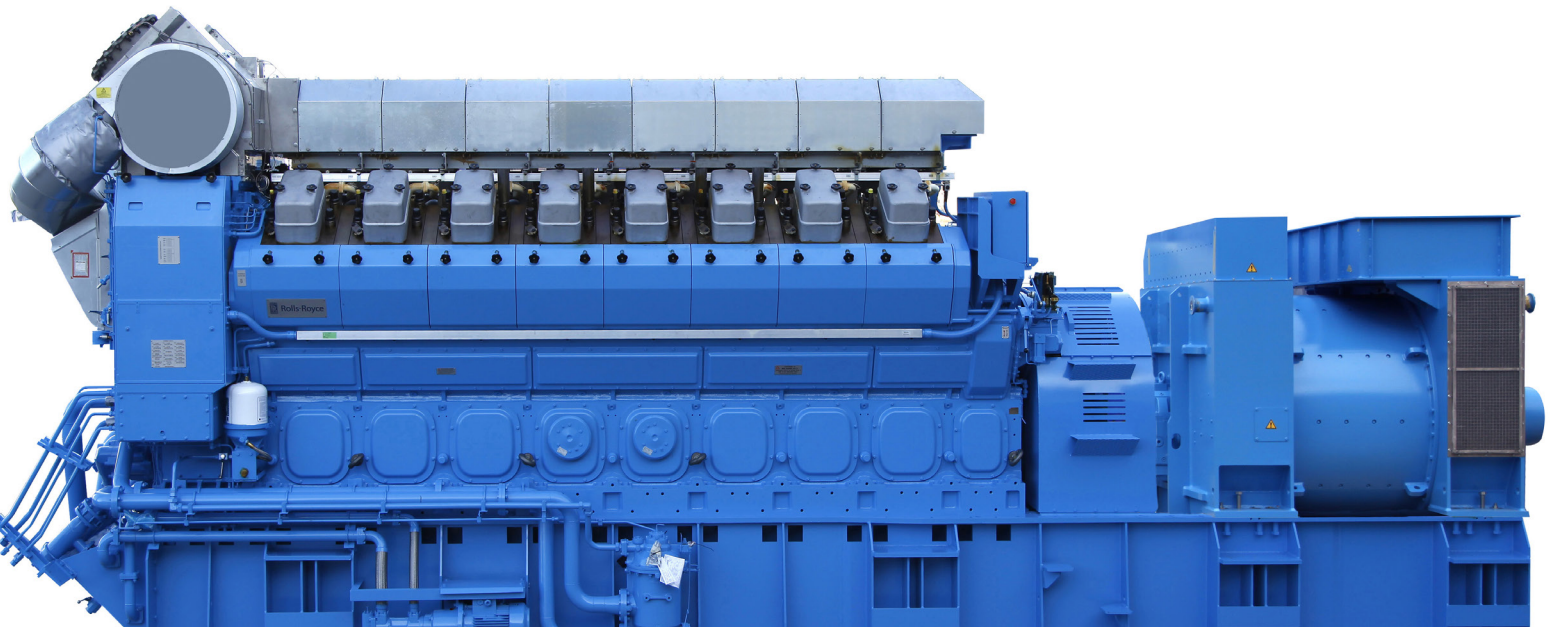




Rolls-Royce

## Redundant autostop

Increase system safety and reliability



## Enhanced reliability and safety to give you peace of mind

Safety and system reliability is always our first priority, and we continuously work on better ways to protect your equipment. The engine's ability to shut down if an anomalous operating condition occurs is of utmost importance to prevent severe damages to the equipment.

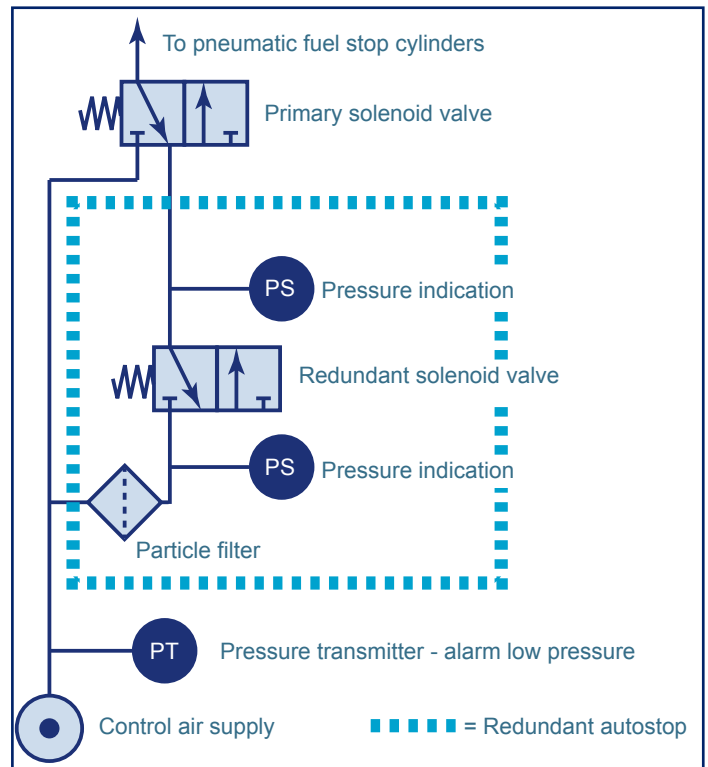
There are several built-in autostop functions that monitor the engine speed and critical temperature and pressure parameters. If any parameter deviation is detected, the autostop functions will cut off fuel supply and shut down the engine. But what if they don't activate?

Insufficient maintenance, poor air quality that causes clogging of the pneumatic shutdown system, sticking high pressure fuel pumps (caused by debris, poor fuel quality or mechanical wear), wear and tear on the control shaft linkages and couplings and other inadequate operating conditions, may prevent the standard protection systems from functioning properly so that for instance an uncontrolled overspeed can evolve. Proper maintenance is therefore key to avoid unforeseen downtime.

To cater for poor operating conditions and increase safety and system reliability, we have developed a redundant autostop function. This is a duplicated safety function that will intervene and shut down the engine if the primary autostop function is for some reason not activated. This way, the risk for an engine failure to evolve is reduced to the lowest level possible, even when operating conditions are not ideal. This simple upgrade is an excellent insurance to protect your assets even better.

The upgrade consists of pneumatic components, pipework and a user interface for testing.

A Rolls-Royce service engineer will make sure the installation is completed fast and correctly. Once installed, maintenance of the redundant autostop system is minimal, with very few replacement parts.



Two separate pneumatic valves cover the same shutdown function independently. If one valve should fail the other is still operative.

## Benefits from the upgrade

- Increased system reliability
- Increased safety
- Increased protection of your assets
- Improved equipment for testing of the safety system

## Applicable installations

Engine type	Fuel type
B32:40	HFO

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