Operator training
Engine operation and maintenance
The key to ensuring high availability and operating safety over the long-term is qualified plant operators who can perform proactive service starting from day one.

Compared to an engine that has been carefully maintained by qualified personnel, an engine that has not been properly cared for is easy to recognize, and the likelihood of compromised reliability and engine breakdowns is significantly increased.

To protect your equipment and keep it operating productively for decades, there’s no better investment than operator training and genuine spare parts.

Qualified Rolls-Royce trainers give your operators a thorough understanding of how to optimize equipment availability and performance.

Our operator trainings are designed to impart vital system and process understanding, which plays an essential role in helping operators identify root causes and anticipate possible consequences of the conditions they observe.

A professionally trained operator is an invaluable asset, capable of analyzing error codes and alarms, identifying trends and reacting proactively if a failure escalates within the system. They possess in-depth knowledge of the engine’s main components, and how they can be adjusted, replaced and checked for damage. With these skills, trained operators keep equipment performing optimally at all times, and help limit downtime to only planned maintenance events.

Rolls-Royce provides training on-site at the plant or at the OEM factory in Bergen (Norway). In most cases, on-site training is recommended in order to give operators hands-on experience with their own equipment.
The best learning process starts with 2 days of introductory training when the operator first begins working with the equipment. For personnel with no technical background, many topics may seem very theoretical at this stage, but this framework is indispensable for the performance of daily, weekly and monthly service activities.

Subsequent to the introductory training, the next step is to attend a 3-day refresher course approximately 6 months later, when the operators have become more familiar with the equipment. They will probably have many questions after several months of operation, and will now benefit from the opportunity to discuss them with our experts and receive more advanced instruction. Refresher courses are an excellent way to steadily and rapidly improve operator skills.

The training focuses on daily, weekly and monthly checks and maintenance tasks according to the Routine Maintenance Schedule (RMS).

Operators learn how to operate and maintain the equipment safely and effectively, and how to analyze engine operating parameters and plan maintenance.

All training is conducted by qualified Rolls-Royce instructors with extensive field experience, and certification is provided upon successful completion of the course.

Trainings are customized based on the equipment and the operator’s skill level. Typical course contents include:

• Routine Maintenance Schedule (RMS) and maintenance planning
• Design, function and operational mode of main engine components
• Fuel injection equipment (gas/liquid fuel)
• Automation and control system
• Engine instrumentation
• Evaluation of engine operating data
• Safety systems
• Start, ramp-up, stop and operation
• Lube oil, fuel and cooling water quality, treatment and adjustments
• Spare parts
• Utilization of test equipment and special tools
• Hands-on training

The course fee covers:

• Documentation (digital)
• Daily lunch and coffee/tea
• Daily transportation between hotel and course premises (if in Bergen)
• Personal Protective Equipment