



Customer courses 2024

MAN PrimeServ Academies

MAN PrimeServ Academy
Augsburg

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Our highest priority is to offer our customers the best possible qualifications to ensure the most efficient and safe operation as well as maintenance of our equipment and installations.

The MAN PrimeServ Academy Augsburg provides a variety of comprehensive courses for plant managers as well as operation and maintenance personnel both in marine and stationary plants. In addition to Academy on-site open courses, the MAN PrimeServ Academy Augsburg also offers customized courses carried out both at the MAN PrimeServ Academy Augsburg and at our customers' sites worldwide.

Based on the remarkably positive feedback on our digital training formats, we have increased the number of instructor led online courses we offer. These courses are marked as "online". For more details, please have a look at our "Digital Learning" brochure.

The MAN PrimeServ Academy Augsburg offers courses on:

- Four-stroke engines of 28/33D, 32/40, 32/44CR, 35/44G, 35/44DF, 48/60, 48/60CR, 51/60, 51/60DF, 51/60G and 58/64 engine types
- Engine automation
- Common rail
- Dual fuel and gas engine technology NA, TCA (with VTA), NR and TCR turbochargers
- SCR catalyst

Engine standard maintenance courses

These standard courses are aimed at ship and power plant personnel who have a general knowledge of combustion

engines. The course is designed to enable the customers to perform the necessary maintenance tasks of up to 6,000 engine operating hours (e.g. pulling pistons and maintenance of the fuel injection system).

Engine advanced maintenance courses

These advanced courses are aimed at ship and power plant personnel who have gained professional experience or have gathered knowledge from the standard course. The course is designed to enable customers to perform the necessary maintenance tasks on large overhauls (e.g. changing bearings and cylinder head maintenance).





Engine expert maintenance course

This course is designed for service engineers and mechanical personnel of marine and power plant applications. The target of this course is not only to perform routine maintenance work but also to be able to carry out non-routine tasks on four-stroke engines (e.g. assessing and assembling of cam followers and fuel pump drives; complete cylinder units as well as assessing Geislinger vibration dampers). This course applies to engine families 32/40, 32/44, 35/44, 48/60, 51/60 and 58/64.

Engine speed governor

This course is aimed at marine and power plant engine operators. It provides basic understanding and knowledge of speed governing systems together with the SaCoS 99 control system.

Common rail including SaCoS_{one}

This course is aimed at customers' personnel operating and maintaining medium-speed engines with common rail technology. Upon completion of this course, the participants will understand the common rail injection system and know how to troubleshoot the system. Furthermore, the course gives an overview of the SaCoS_{one} automation system for common rail engines and enables the participants to troubleshoot the automation system and exchange system components.

Dual fuel and gas engine technology including SaCoS_{one}

This course is designed for customers' personnel operating and maintaining medium-speed gas or dual fuel engines. It complements the standard maintenance course with operational aspects of gas and dual fuel engines

including safety requirements. Furthermore, the course gives an overview of the SaCoS_{one} automation system for dual fuel and gas engines and enables the participants to troubleshoot the automation system and exchange system components.

SCR standard operation

This course is designed for operators of SCR systems on power plants or ships. The course provides basic knowledge of NOx-reduction technologies and describes the functional principle of the system and its components in detail.

Engine fluids and emissions

This course is designed for operators of marine and power plant engines. Upon completion of this course, the participants will understand the quality requirements of all the different types of

engine fluids. They will also understand how to interpret engine fluid analyses and how to draw the right conclusions. This is complemented by a comprehensive overview on emissions, emission regulations and emission reduction technologies.

Nutshell courses online

These courses are aimed at technical personnel requiring a comprehensive overview of specific technologies (e.g. managers and superintendents). Trainings cover SaCoS_{one}, common rail, dual fuel and gas engine technology, exhaust gas treatment and turbochargers. We offer these nutshell courses within a one week time-frame, starting with a general engine introduction course for our worldwide customers. It is also possible to book just single days within the nutshell week. One course is scheduled to suit the eastern time zone while the other course is scheduled for the western time zone.

Open courses for customers 2024

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| 28/33D engine standard maintenance | |
| July 8 – 12, 2024 | A-24-001 |
| 28/33D engine advanced maintenance | |
| July 15 – 19, 2024 | A-24-002 |
| 32/44CR engine standard maintenance | |
| March 4 – 8, 2024 | A-24-003 |
| 32/44CR & 35/44DF & 35/44G engine advanced maintenance | |
| March 11 – 15, 2024 | A-24-004 |
| 35/44G & 35/44DF engine standard maintenance | |
| November 11 – 15, 2024 | A-24-005 |
| 48/60 engine standard maintenance | |
| September 2 – 6, 2024 | A-24-006 |
| 51/60DF & 51/60G engine standard maintenance | |
| February 12 – 16, 2024 | A-24-007 |
| 48/60 & 51/60DF & 51/60G engine advanced maintenance | |
| February 19 – 23, 2024 | A-24-008 |
| September 9 – 13, 2024 | A-24-009 |

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| Engine expert maintenance | |
| November 4 – 8, 2024 | A-24-010 |
| Engine speed governors Heinzmann/Woodward | |
| May 27 – 29, 2024 | A-24-011 |
| Common rail including SaCoS_{one} | |
| January 22 – 26, 2024 | A-24-021 |
| March 18 – 22, 2024 | A-24-022 |
| June 10 – 14, 2024 | A-24-023 |
| July 29 – August 2, 2024 | A-24-024 |
| September 23 – 27, 2024 | A-24-025 |
| November 25 – 29, 2024 | A-24-026 |
| Dual fuel and gas engine technology including SaCoS_{one} | |
| November 18 – 22, 2024 | A-24-027 |
| SCR standard operation online | |
| April 2 – 3, 2024 starting at 2:00 pm CEST | A-24-012 |
| August 12 – 13, 2024 starting at 6:00 am CEST | A-24-013 |
| Engine fluids and emissions | |
| October 28 – 29, 2024 | A-24-019 |

Nutshell course week - online

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| Introduction to MAN combustion engine technology in a nutshell online | |
| February 12, 2024 starting at 2:00 pm CET | A-24-041 |
| July 1, 2024 starting at 6:00 am CEST | A-24-046 |
| SaCoS_{one} in a nutshell online | |
| February 13, 2024 starting at 2:00 pm CET | A-24-042 |
| July 2, 2024 starting at 6:00 am CEST | A-24-047 |
| Common rail in a nutshell online | |
| February 14, 2024 starting at 2:00 pm CET | A-24-043 |
| July 3, 2024 starting at 6:00 am CEST | A-24-048 |
| Dual fuel and gas engine technology in a nutshell online | |
| February 15, 2024 starting at 2:00 pm CET | A-24-044 |
| July 4, 2024 starting at 6:00 am CEST | A-24-049 |
| Exhaust gas treatment in a nutshell online | |
| February 16, 2024 starting at 2:00 pm CET | A-24-045 |
| July 5, 2024 starting at 6:00 am CEST | A-24-050 |
| Turbocharger in a nutshell online | |
| February 9, 2024 starting at 2:00 pm CET | A-24-014 |
| June 28, 2024 starting at 6:00 am CEST | A-24-015 |

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<https://www.man-es.com/services/training-qualification/course-finder>

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