



Digital learning 2025

MAN PrimeServ Academies

MAN PrimeServ Academy
Augsburg

For customers



sem.man-es.com/sem/

For employees
[dtdeaugas201.md-man.biz/
sem_internal_courses/](https://dtdeaugas201.md-man.biz/sem_internal_courses/)

Keep everyone learning

Our mission to supply the best quality education solutions and products to our customers around the globe has not changed. Nevertheless, we are convinced that only change leads to progress. That is why we are determined to continue developing our essential MAN PrimeServ training portfolio. Digital learning is necessary to complement MAN PrimeServ Academy's course offers.



eLearning

- Short interactive learning nuggets consisting of 10-30 min
- Typically combined with a more extensive course
- No hands-on training but interactive exercises respectively with quizzes
- Completed by participants on their own using their own computer without the need of an instructor
- Can be done at anytime and anywhere



Tailor-made instructor led online courses

- Courses of one day up to several days
- Web-based instructor led courses
- Comparable to our on-site courses at the Academy - with the benefit of joining from any location
- Complete courses which include the option of hands-on training
- Interactive learning through direct communication between instructors and participants (no. of participants is limited)
- Training hardware (simulator) can be provided by the Academy and sent to the customer
- Some courses can be carried out using customer equipment (e.g. using spare parts from stock)
- Adaptable to the different customer time zones allowing flexible time planning
- Tailor-made courses for one-to-one lessons
- Fully established courses also available
- We are open to any customer suggestions for developing additional courses to our already existing portfolio



Open instructor led online courses

- Full day courses and several day courses
- Web-based instructor led courses
- Comparable to our on-site courses at the Academy - with the benefit of joining from any location
- Highly interactive courses thanks to the limited number of participants
- Fixed time with fixed content
- Only courses which do not include hands-on training

eLearning: knowledge on demand

MAN Energy Solutions PrimeServ Academy Augsburg has developed a wide range of eLearning courses which include a variety of subjects. This platform covers areas such as SaCoS_{one}, common rail, variable valve timing, SCR catalyst and engine fluids.

eLearning is a flexible, self-paced method for acquiring the information that is most essential for specific roles or areas where you feel the need to extend existing knowledge and competencies.

Get a first glimpse of our comprehensive eLearning platform and take part in the demo versions of our courses:

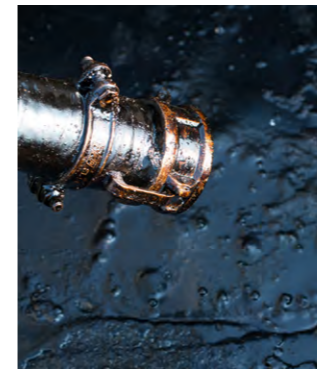
<https://eacademy.man-es.com/login/primeserv>

Username: eacademy
Password: MANeAcademy!1

Engine fluids

Learn to apply the correct specification for fluids, understand the characteristics of a fuel and lube oil analysis as well as to draw the right conclusions, select the proper lubricant for a particular application and ensure the right quality of cooling water – all you need to know about engine fluids for medium-speed engines can be obtained from our eLearning course.

Fuels for diesel engines (8 modules)



- The crude oil refining process
- Fuel specifications
- Fuel characteristics defined by ISO 8217
- Additional fuel characteristics
- ECA fuel
- Fuel treatment
- Bio fuels
- Gas

Lube oil for diesel engines (7 modules)



- Purpose of diesel engine lube oil and lube oil formulation
- Approval of lube oils for MAN engines
- Lube oil degradation
- Selection of lube oil
- Specific application: Biofuels
- Specific application: Dual fuel
- Specific application: Gas

Cooling water for diesel engines (1 module)

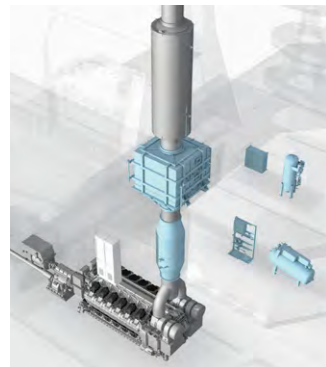


- Quality requirements for fresh water and cooling water treatment

Additional eLearning courses

The following portfolio shows a range of further online courses available to provide you with the essential information for a safe and reliable operation of your engine.

SCR (Selective Catalytic Reduction) (4 modules)



- Rules and regulations, functional principles
- Air path
- Urea path
- Control system

SaCoS_{one} (5 modules)



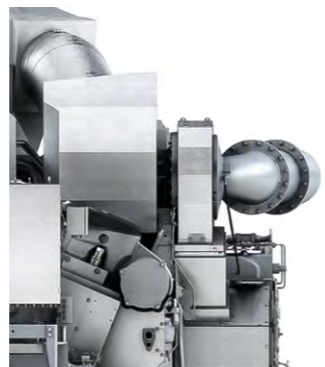
- Architecture
- Components
- Exchange of modules
- Device manager
- Expert tool

Common Rail and Variable Valve Training (2 modules)

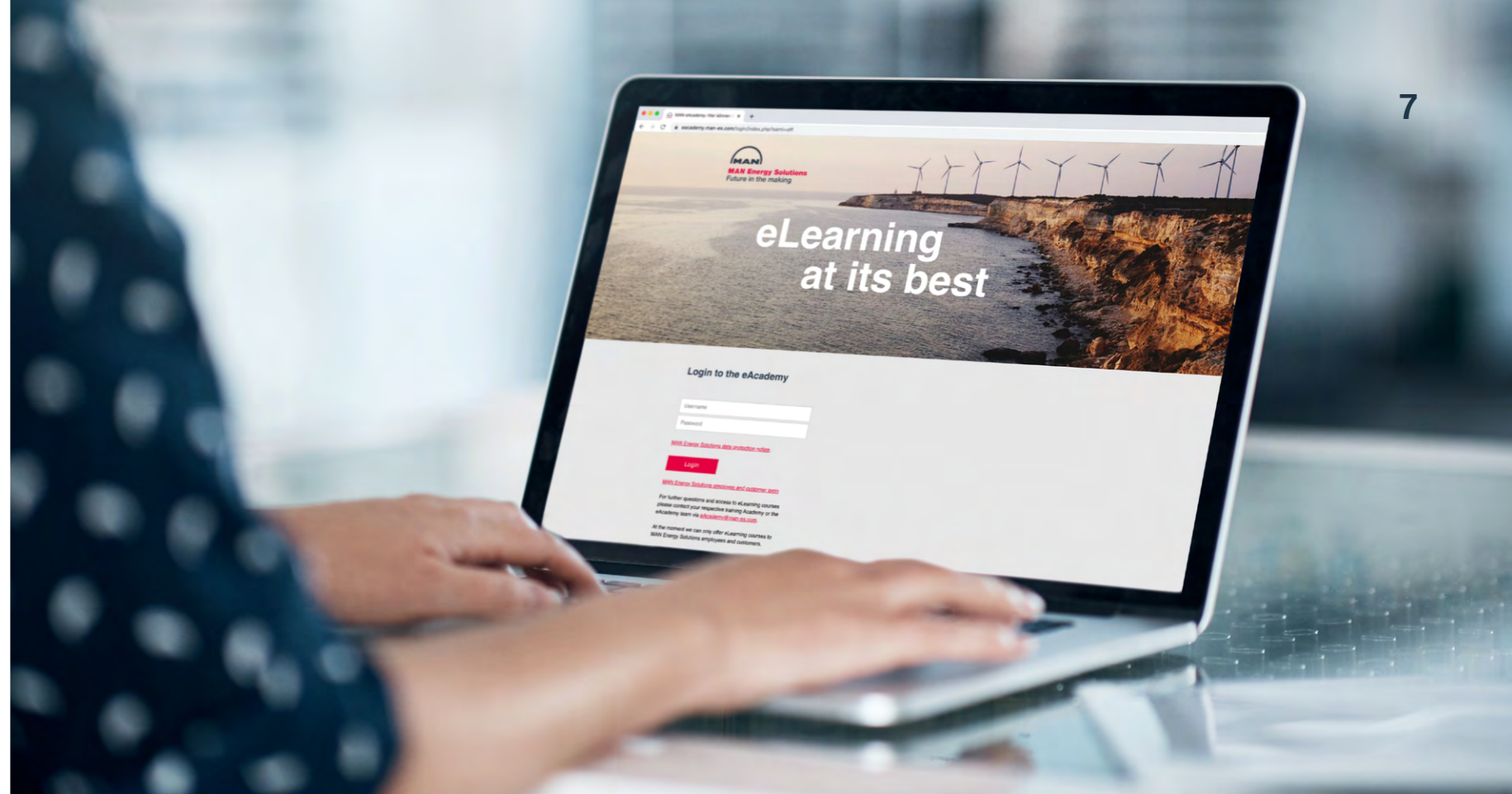


- Common Rail system, functional principles
- Variable Valve timing, functional principles

Turbocharger design, operation and trouble shooting (7 modules)



- Introduction
- Fundamentals
- Design features
- Turbocharger on the engine
- Maintenance during operation
- Trouble shooting
- Case studies: Malfunctions and root cause analysis



Order your license

so you can participate in these comprehensive eLearning courses

The license, which is personal and non-transferable, is valid for 3 months and allows the authorized participant repeated access to the eLearning course.

Course	Number of modules	Approximate duration	Price for a single license
Engine fluids	16	5h	385 €
SCR	4	2h	190 €
SaCoS _{one}	5	2h	220 €
CR/VVT	2	1h	110 €
Turbocharger	7	3h	310 €
Full package	34	13h	990 €

Number of ordered licenses	4 - 10	11 - 50	51 - 100	101 - 200	> 200
Discount	15 %	20 %	30 %	40 %	50 %

For further information and registration please contact:
PrimeServ.Academy-aug@man-es.com



Online learning solutions

In addition to eLearning, we can provide you with instructor led online courses including web based instructed hands-on lessons. We are also open to any customer suggestions for developing additional courses to our already established online courses.

Tailor-made instructor led online courses

SaCoS_{one} course

This course offers an overview of the SaCoS_{one} automation system and enables the participants to troubleshoot the automation system and exchange system components.

- 3 day course
- Lectures with exercises and hands-on practice
- Use of simulators sent to customers for hands-on training
- Hands-on: module exchange, device manager, expert tool

SCR course

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

- 2 day course
- Lectures

Dual fuel and gas engine technology course

This course is designed for customers' personnel who operate and maintain medium-speed gas or dual fuel engines. It covers the operational aspects of gas and dual fuel engines including safety requirements.

- 3 day course
- Lectures with exercises

Introduction course on combustion engines

This course is designed for individuals who require a broad basic knowledge of combustion engines and their application (e.g. individuals in commercial positions and managers).

- 2 day course
- Lectures with exercises

We are open to any customer suggestions for developing additional courses to our already existing portfolio.

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Open instructor led online courses

SCR standard operation

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

Nutshell courses

These courses are aimed at technical personnel requiring a compact overview of specific technologies (e.g. managers and superintendents). Trainings cover SaCoS_{one}, common rail, dual fuel and gas engine technology as well as turbocharger and exhaust gas treatment.

For our worldwide customers, we offer these nutshell courses within one week, starting with a general engine introduction course. It is also possible to book just single days within the nutshell week. One nutshell week is scheduled to suit the eastern time zone (APAC, MEA, Europe early) while the other nutshell week is scheduled to suit the western time zone (Americas, Europe late)

SCR standard operation online

April 14 – 15, 2025 starting at 2:00 pm CEST	A-25-015
September 29 – 30, 2025 starting at 6:00 am CEST	A-25-016

Nutshell course week online

Introduction to MAN combustion engine technology in a nutshell online

February 10, 2025 starting at 2:00 pm CET	A-25-050
July 21, 2025 starting at 6:00 am CEST	A-25-055

SaCoS_{one} in a nutshell online

February 11, 2025 starting at 2:00 pm CET	A-25-051
July 22, 2025 starting at 6:00 am CEST	A-25-056

Common rail in a nutshell online

February 12, 2025 starting at 2:00 pm CET	A-25-052
July 23, 2025 starting at 6:00 am CEST	A-25-057

Dual fuel and gas engine technology in a nutshell online

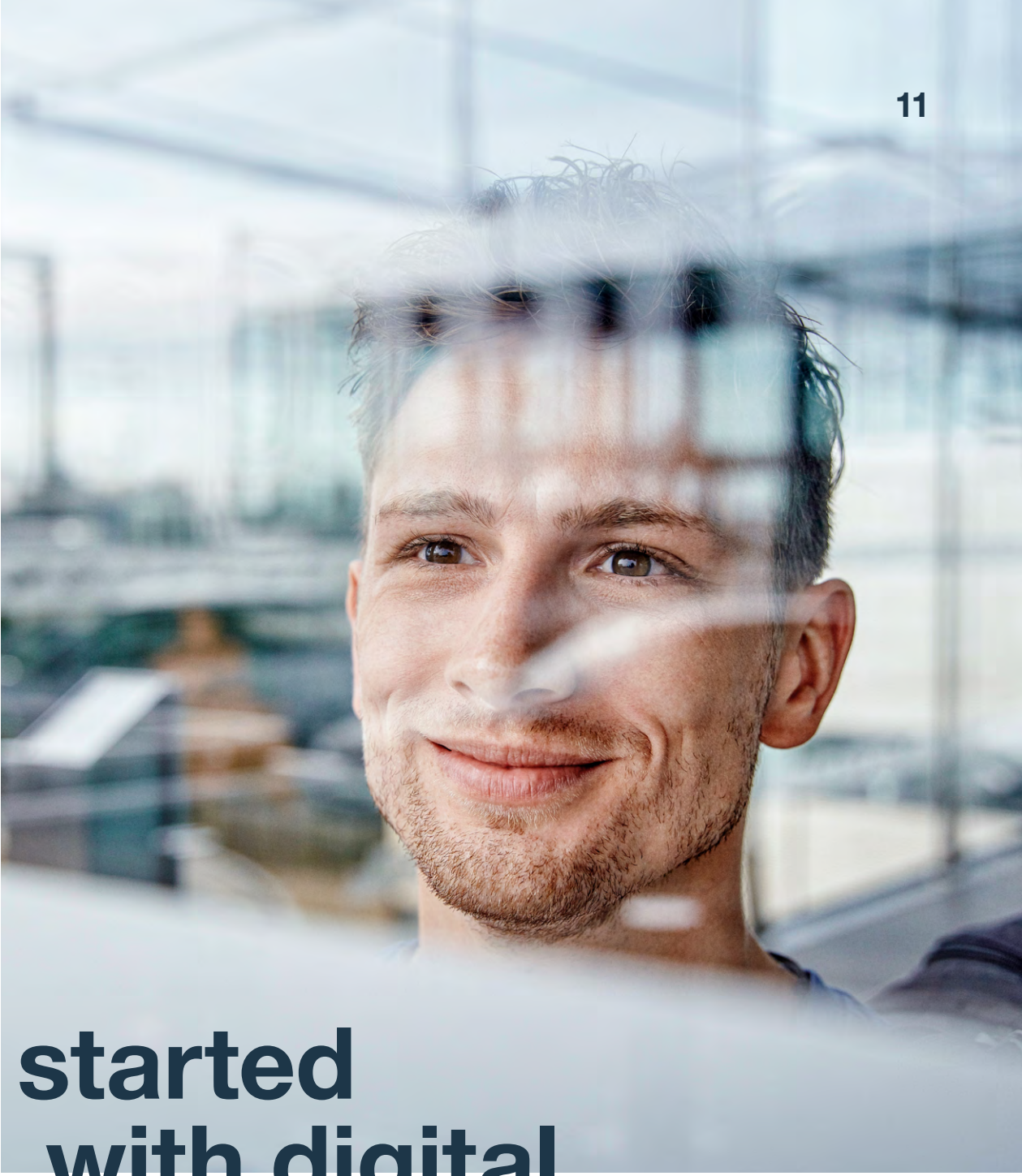
February 13, 2025 starting at 2:00 pm CET	A-25-053
July 24, 2025 starting at 6:00 am CEST	A-25-058

Exhaust gas treatment in a nutshell online

February 14, 2025 starting at 2:00 pm CET	A-25-054
July 25, 2025 starting at 6:00 am CEST	A-25-059

Turbocharger in a nutshell online

February 7, 2025 starting at 2:00 pm CET	A-25-018
July 18, 2025 starting at 6:00 am CEST	A-25-019



Get started with digital learning today

For further information and registration please contact:
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D2366660-N9 Printed in Germany
I*AM-1025