Skills that count

MAN PrimeServ

MAN PrimeServ Academies course booklet 2020
In our worldwide network of teaching facilities, we share our knowledge about the technologies and the equipment that comprise our product portfolio.

At our academies, your staff can learn the skills and knowledge they need to help you create a competitive edge in your industry.

Get to know what we know
Get the relevant up-to-date knowledge that reflects the latest developments derived from our in-depth research, service letters, latest regulations and helpful feedback from field service engineers.

Real world focused
In addition to theory classes, our academies include a hands-on training environment. Participants get to work on original engines, fully functional diesel GenSets, simulators offering real-life operation scenarios, maintenance and real-life equipment trouble-shooting from the MAN Energy Solutions product portfolio.
From good to great

Skills that go straight to the bottom line

Training is about becoming stronger as a company. Your employees are your biggest asset – the better they perform, the more your business thrives. Our courses are designed for maximum performance impact. Your investment in the skills and knowledge of your workforce acquired at our academies pays off quickly and continuously.

“...Very informative and filled with practical examples. I whole heartedly recommend it.”

Fiorin Dascalu
(Riding Electrical Superintendent, Chevron Shipping Company)

Many factors impact the overall performance of your operation – most of them are human. We will teach your workforce the hands-on real world skills they need to excel – no matter what MAN equipment you run.

Peak efficiency
From the essentials to in-depth performance analysis – the courses are designed to improve your operators’ capabilities on every level to enable them to deliver more efficient machine performance at lower operating costs.

Availability
The goal is straightforward: To keep your machinery up to date, and at optimal levels of reliability and availability. We equip your staff with the proper everyday maintenance and troubleshooting skills to ensure your investment is well maintained for the long term.

Cost savings example
Attained at a PrimeServ Academy course: For an MAN L27/38 engine, at a fuel price of 354 USD / ton, operating two such engines at 37.5% load – as opposed to one engine at 75% load – will save 504 kilos of fuel every day. That’s about $177, or 152€ per day. At this rate, you earn back what you invested into the course in only two weeks, and everything else after that is all gravy as they say.

Special requirements are our specialty
No two businesses are alike, and you may have specific training needs that fall outside of our standard curriculum. Talk to us. We are equipped and ready to offer fully customized programs in-house and on-site.

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Thanks to the overwhelmingly positive feedback from our participants and their organizations, we regularly update our course portfolio and add new courses. However, if your specific needs call for something we are currently not offering, please let us know – we are committed to helping you get the knowledge and skills you need and will find a way to make that happen.

Two-stroke engine
We offer a wide range of courses for our two-stroke engines. Our courses cover different target groups and competency levels.

Four-stroke engine
We offer a wide range of courses for our four-stroke engines. Our courses cover different target groups and competency levels.

Turbochargers
MAN Energy Solutions turbochargers are one of our core competencies. Our turbochargers are used extensively on MAN Energy Solutions engines and many other engine brands.

The focus of these service-related courses is to provide in-depth product knowledge using a hand-on training environment. This will enable participants to implement the skills and knowledge they have gained from the training sessions to meet the challenges of everyday service and maintenance work.

Power Generation
These training courses are job oriented, and provide holistic knowledge necessary to operate power generation equipment safely, efficiently, and reliably. Whether you run a power plant equipped with a diesel engine or gas and dual fuel engines, we can provide a tailor-made training solution for you based on your specific equipment configuration.

Typical customized training courses cover your specific engine or turbochargers followed by in-depth training on your specific equipment configuration.

Training you with passion
At a glance

Our courses

Introduction
These are the first courses on MAN’s two-stroke and four-stroke engines for engineers, crews, commercial staff, management and procurement to get a first overview.

GenSet
Personnel working with MAN four-stroke engines will be able to run the GenSet, to identify common faults and to conduct routine maintenance. Furthermore, participants learn to perform inspections and optimize the engine’s running condition (e.g. for Holeby GenSet).
- GenSet maintenance (four-stroke)

Engine control systems
Engineers and technicians will be able to operate the safety and control system of four-stroke engines or two-stroke engines. They will be able to conduct simple troubleshooting and can also change components.
- Control system standard operation (two-stroke)

Further courses
- Simulator / Rotcomp (two-stroke)
- Fluids and emissions (four-stroke)
- Speed governors (four-stroke)
- Dual fuel and gas engine technology (four-stroke)
- SCR standard operation (four-stroke)
- Advanced repair and reconditioning

Turbochargers
After attending these courses, ship or power plant managers, engineers, and superintendents, will be able to correctly identify parts from the turbocharger series TCR & NR as well as from TCA & NA series and they learn to perform maintenance according to the operating manual.

Maintenance
These are courses for all engineers and crews who operate two-stroke and four-stroke engines in the field.
- Standard maintenance (four-stroke)
- Advanced maintenance (four-stroke)
- Standard practical maintenance (two-stroke)
- Electrical standard maintenance (two-stroke and four-stroke)
- Engine expert maintenance (four-stroke)
- GenSet maintenance (four-stroke)

Operation
Engineers, technicians and electricians learn to operate, troubleshoot and perform adjustments in the field.
- Emission technologies advanced operation (two-stroke)
- SCR standard operation (four-stroke)
- Dual fuel and gas engine technology including SaCoSone
- Common rail including SaCoSone
- Engine standard optimization (two-stroke)

Troubleshooting
- Advanced troubleshooting (two-stroke)

Power Generation
These training courses are job oriented, and provide holistic knowledge necessary to operate the power plant or genset safely, efficiently and reliably.
Whether you operate diesel or gas and dual fuel engines, we can provide a tailor-made training solution for you based on your specific equipment configuration.

eLearning
Alpha lubricator standard maintenance
In a one hour training, two-stroke experienced ship and chief engineers learn to check the correct function of the lubricator and to carry out overhauls according to maintenance and service procedures.

Engine fluids
Engineers learn to understand the characteristics of all relevant engine media, such as fuel, lube oil and cooling water and their impact on four-stroke engines.

Please check https://www.man-es.com/services/training-qualification/course-finder for detailed and updated information about your courses.
What’s available where?

This overview shows which academies provide training for your engine or equipment. We can also arrange special customized courses at your request. However, costs may be higher due to the hardware required to conduct certain courses.

Please check our online listing for current course availability: https://www.man-es.com/services/training-qualification/course-finder
Our mission to supply the best quality education solutions and products to our customers around the globe has not changed. But we are convinced that only change leads to progress – therefore it is essential for us to keep developing our MAN PrimeServ training portfolio. In times of digitization eLearning is needed to complement the MAN PrimeServ Academy course offerings. As such, our eAcademy is under continuous development.

- eLearning is
  - Flexible
  - Self-paced
  - Interactive
  - Available any time, any place
  - Online via our eAcademy
  - Offline on board via our eAcademy App
  - Fun to learn
  - Sustainable

- Directly try out our interesting courses
  - Engine fluids
  - Alpha lubricator
  - ECS
  - SCR
  - Common rail
  - Variable Valve Timing
  - SaCoS
  - Charging and testing accumulators
  - Etc.

Keep everyone learning eLearning
How to use the new online course finder

Get all the information you need about available courses in just four easy steps.

– Step 1: select your product category from the pull-down menu in the first column “Course category”.
– Step 2: select the “Product / equipment” from the pull-down menu in the second column based on keywords.
– Step 3: select the course you are interested in from the pull-down menu in the third column.
– Step 4 (optional): select the venue location from the pull-down menu in the fourth column.

If the course you selected is scheduled more than once, you can use the left and right arrows to page through the different seminar dates.

Once you have completed and submitted the online form, the seminar provider will then come back to you shortly regarding the registration status.

How to find a course?

If you need guidance on how to search for a course, please refer to “How to find a course?” documentation by following the link below:

https://primeserv-man-es.com/academies/downloads

Where to find the course dates?

All scheduled course dates, location and price information are available on the MAN PrimeServ Academy website.

Should our planning not suit your itinerary or you require a tailor-made course, please do not hesitate to contact us. Please visit our website for more information:

https://primeserv-man-es.com/academies/training

How to register for a course?

To book courses, simply download the registration form found in the download section:

https://primeserv-man-es.com/academies/downloads

and return it to the respective academy.

eLearning

It’s a flexible, self-paced method for acquiring the knowledge that’s most important for specific roles or areas where you feel the need to extend existing knowledge and competencies. eLearning courses can also be found in the new course finder.

Additional information – applicable terms and conditions

MAN PrimeServ will carry out training and tuition solely according to the “MAN Energy Solutions general terms and conditions on the provision of training services” which form the contractual basis for the provision of training and tuition by MAN PrimeServ. The terms and conditions are available by mail from MAN PrimeServ or can be downloaded from the following web page:

https://man-es.com/sales-conditions/academytermsandconditions

Understanding course titles

Our courses follow a naming convention that makes it clear which engine, equipment or technology, level, and activity is involved.

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Here’s what it looks like:

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<td>operation*</td>
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Engine, equipment or technology are shown, as listed in the product training competencies or the product training overview tables.

Level describes the standard of proficiency of participants on completion of the course.

– Familiarization
– Standard
– Fundamental
– Advanced
– Expert

Activity describes the focus of the course, using the following designations:

– Introduction
– Operation
– Maintenance
– Optimization
– Troubleshooting

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All data provided in this document is non-binding. This data serves informational purposes only and is not guaranteed in any way. Depending on the subsequent specific individual projects, the relevant data may be subject to changes and will be assessed and determined individually for each project. This will depend on the particular characteristics of each individual project, especially specific site and operational conditions.

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