



Adaptive training solutions

MAN PrimeServ

MAN PrimeServ
Academies course
booklet

The true MAN training advantage

Access expert knowledge



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, new 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 troubleshooting from the MAN Energy Solutions product portfolio.

MAN PrimeServ Academy courses cover the entire product portfolio of MAN Energy Solutions

- Two-stroke engines
 - Four-stroke engines
 - Power generation
 - Turbochargers
-



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.



“The course was great. Very informative and filled with practical examples. I can wholeheartedly recommend it.” **Florin Dascalu**
(Riding Electrical Superintendent, Chevron Shipping Company)

Many factors impact the overall performance of your operation – most of them are human. We 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 which enables them to deliver more efficient machine performance at lower operating costs.

Availability

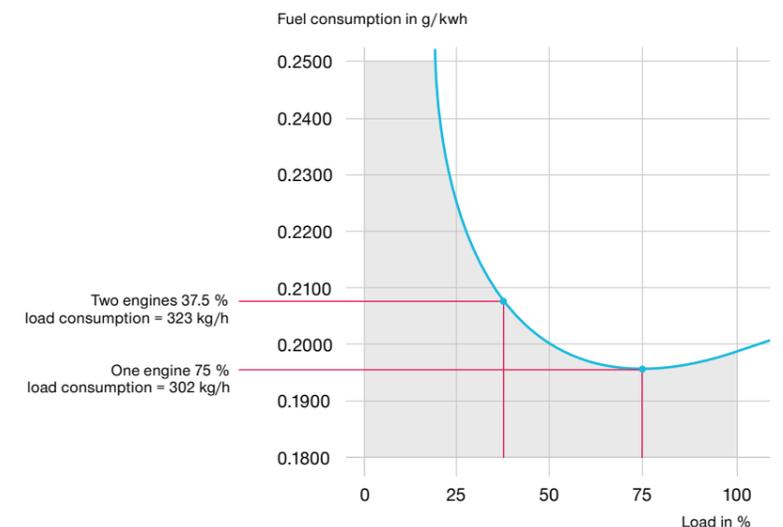
The goal is straightforward: to keep your machinery up to date, and at optimal levels of reliability and availability. We equip your staff with the proper everyday maintenance and troubleshooting skills to ensure your investment is well maintained for the long term.

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 either in-house or on-site.

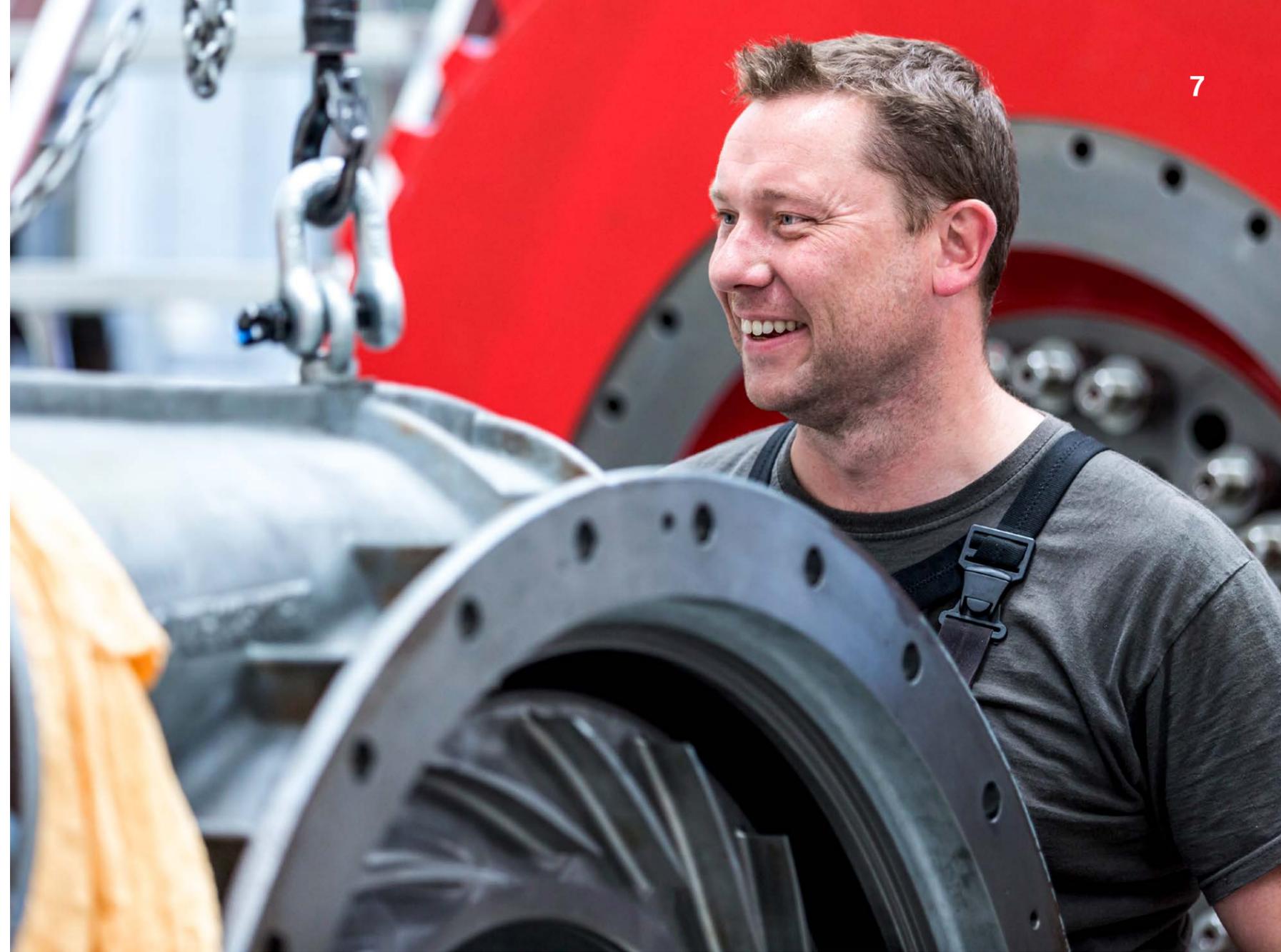
Cost saving example

Achieved through 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 – this saves 504 kilos of fuel on a daily basis. That’s about \$177, or 152€ per day. At this rate, you earn back your initial investment in the course after just two weeks, and the rest is all gravy as they say.



Training you with passion

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 be happy to find an approach to make it happen. You will also benefit greatly from our holistic expertise on engines and equipment systems.



Two- and four-stroke engines

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

Turbochargers

As one of the world's largest producers of turbochargers, MAN Energy Solutions' turbochargers are one of our core competencies.

Our turbochargers are used extensively on engines from MAN Energy Solutions and many other engine brands.

The main focus of these service-related courses is to provide in-depth product knowledge in a hands-on training environment. This enables 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 you with a customized training solution based on your specific equipment configuration.

Our customized training courses focus on your specific engine or turbochargers, followed by in-depth training concerning your specific equipment configuration.

At a glance

Our courses

Introduction

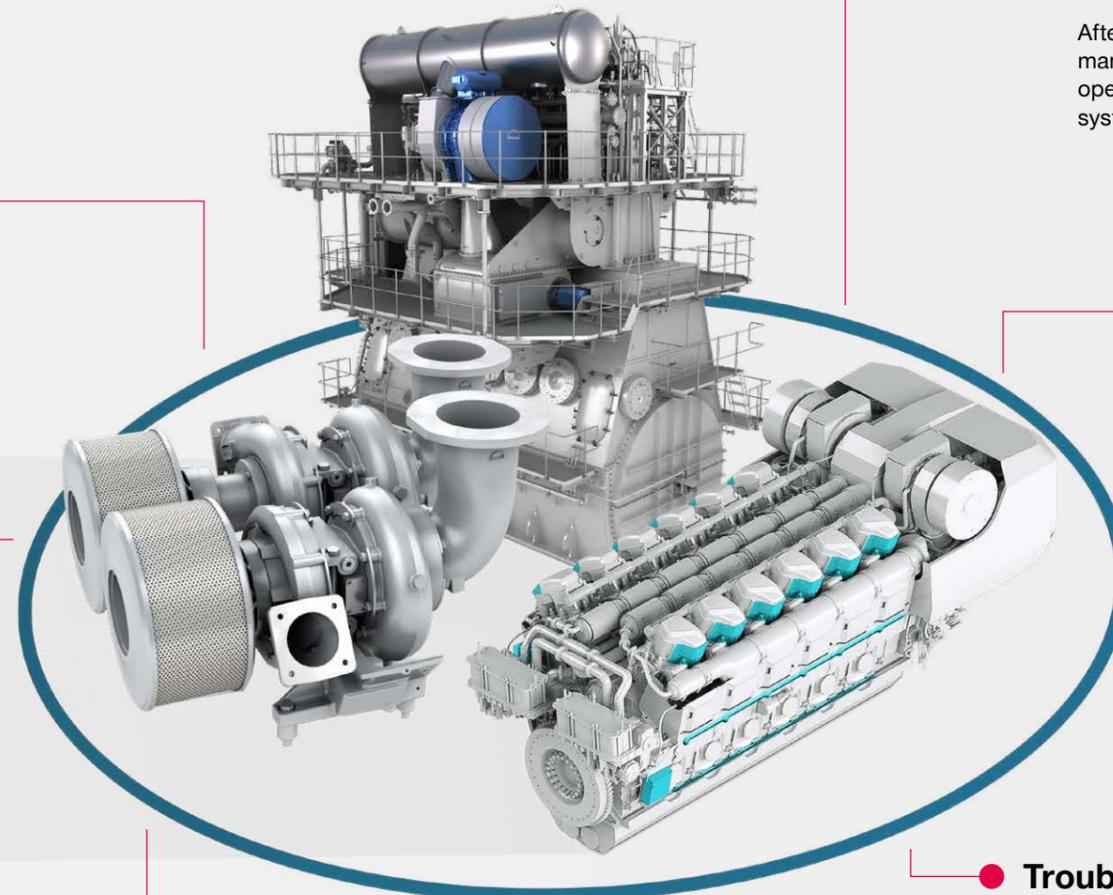
These are the initial courses on MAN's two-stroke and four-stroke engines for engineers, crews, commercial staff, management and procurement to receive a first overview.

Power generation

These training courses are job oriented, and provide holistic knowledge necessary to operate the power plant or GenSet safely, efficiently and reliably.

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 also be able to troubleshoot and change components.



Turbochargers

After attending these courses, ship or power plant managers, engineers, and superintendents, will be able to operate and run maintenance on turbochargers and related systems by practicing the correct procedures.

Maintenance

These courses are for all engineers and crews who operate two-stroke and four-stroke engines in the field.

Operation

Engineers, technicians and electricians learn to operate, troubleshoot and perform adjustments in the field.

Troubleshooting

These courses enable attendees to execute advanced troubleshooting procedures on marine and power plant engines. For example, using a simulator the instructor can create faults and create different diagnostic scenarios. Participants are given access to the simulator by remote control and learn how to troubleshoot these simulated situations.

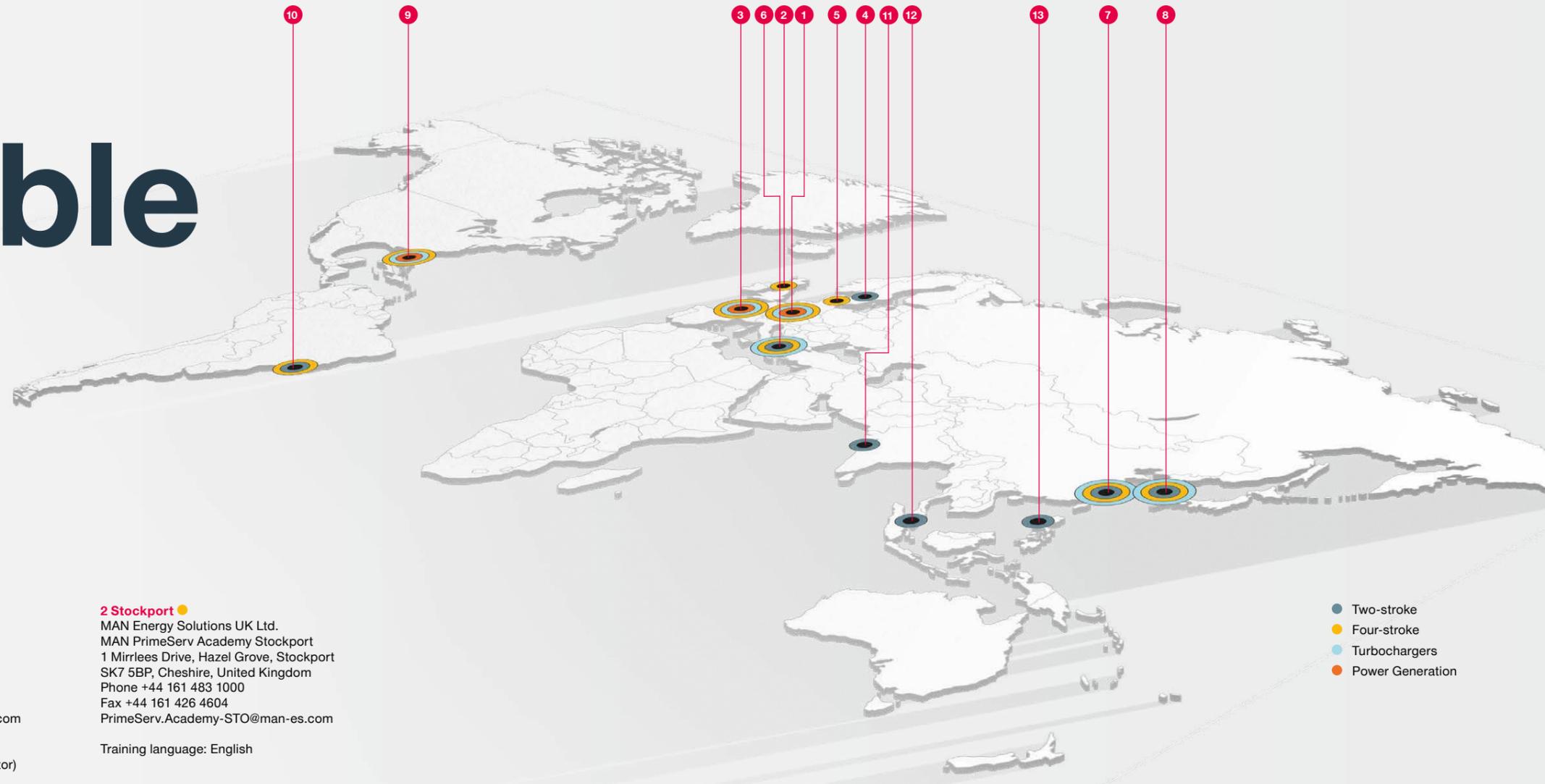
Moving forward

We have adapted to the use of new digital training methods and solutions. In addition, we have standardized our learning methods to include new methods using interactive diagnostics to provide our participants with the best possible experiences. These digital solutions greatly enhance the learning experience for our participants. Whether you operate diesel or gas and dual fuel engines, we can provide a customized training solution for you based on your specific equipment configuration.

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 vary depending on 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>



1 Augsburg ●●●●
MAN Energy Solutions SE
MAN PrimeServ Academy Augsburg
Stadtbachstrasse 1
86224 Augsburg, Germany
Phone +49 821 322 1397
Fax +49 821 322 1170
PrimeServ.Academy-AUG@man-es.com

Training language: German, English
(and any other language with translator)

3 Saint Nazaire ●●●●
MAN Energy Solutions SAS
MAN PrimeServ Academy Saint-Nazaire
Avenue de Chatonay – Porte 7 – BP 427
44615 St.-Nazaire Cedex, France
Phone +33 2 40 90 6515
Fax +33 2 40 90 6550
PrimeServ.Academy-STN@man-es.com

Training language: French, English

5 Holeby ●●●●
MAN Energy Solutions
MAN PrimeServ Academy Holeby
H. Christoffersensvej 6
4960 Holeby, Denmark
Phone +45 54 69 3100
Fax +45 54 69 3031
PrimeServ.Academy-4strokeDK@man-es.com

Training language: Danish, English

2 Stockport ●●●●
MAN Energy Solutions UK Ltd.
MAN PrimeServ Academy Stockport
1 Mirrlees Drive, Hazel Grove, Stockport
SK7 5BP, Cheshire, United Kingdom
Phone +44 161 483 1000
Fax +44 161 426 4604
PrimeServ.Academy-STO@man-es.com

Training language: English

4 Copenhagen ●●●●
MAN Energy Solutions
MAN PrimeServ Academy Copenhagen
Teglholmegade 35
2450 Copenhagen SV, Denmark
Phone +45 33 85 2227
Fax +45 33 85 1049
PrimeServ.Academy-CPH@man-es.com

Training language: Danish, English

6 Piraeus ●●●●
MAN Energy Solutions Hellas E.P.E.
MAN PrimeServ Academy Piraeus
89, Akti Miaouli
185 38 Piraeus, Greece
Phone +30 210 458 7900
Fax +30 210 458 7928 29
PrimeServ.Academy-PIR@man-es.com

Training language: Greek, English

7 Shanghai ●●●●
MAN Energy Solutions China Production Co., Ltd.
MAN PrimeServ Academy Shanghai
RenQing Road 279
201201 Heqing Pudong, Shanghai, China
Phone +86 213 891 9600
Fax +86 21 5897 6552
PrimeServ.Academy-SHA@man-es.com

Training language: Mandarin, English

9 Fort Lauderdale ●●●●
MAN Energy Solutions USA Inc.
MAN PrimeServ Academy Fort Lauderdale
1491 SW 5th Court Building 1501
33069 Pompano Beach, Florida, USA
Phone +1 954 960 6700
Fax +1 954 782 5426
PrimeServ.Academy-FLL@man-es.com

Training language: English, Spanish

8 Busan ●●●●
MAN Energy Solutions Korea
MAN PrimeServ Academy Busan
1911-13, Beombang-dong
Gangseo-gu, Busan, Korea
618-240
Phone +82 51 440 0185
Fax +82 51 468 4004
PrimeServ.Academy-BUS@man-es.com

Training language: Korean, English

10 Rio de Janeiro ●●●●
MAN Energy Solutions Brasil Equipamentos e Serviços Ltda.
MAN PrimeServ Academy Rio
Estrada Presidente Sodre 364
CEP 25645-026 Petropolis, Brazil
Phone +55 24 2291 9690
Fax +55 21 3506 2130
PrimeServ.Academy-RIO@man-es.com

Training language: Portuguese, Spanish, English

11 Mumbai ●●●●
Please direct all bookings and inquiries to the Copenhagen Academy.

Training language: English

12 Singapore ●●●●
Please direct all bookings and inquiries to the Copenhagen Academy.

Training language: English

13 Manila ●●●●
Please direct all bookings and inquiries to the Copenhagen Academy.

Training language: English

● Two-stroke
● Four-stroke
● Turbochargers
● Power Generation

Keep everyone learning

Digital 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 PrimeServ training portfolio. Digital learning is a key component of the courses offered by MAN PrimeServ Academy.



eLearning courses

- Short interactive self-paced learning modules
- Interactive theoretical exercises with respective quizzes without requiring an instructor
- Can be done anytime and anywhere
- Online via our eAcademy or available as customized eLearning course

Open online courses

- Full day and/or several day(s) instructor led courses
- Comparable to our on-site courses at the academy - with the benefit of joining from a remote location
- Complete courses, which include the option of hands-on training
- Interactive learning through direct communication between instructors and participants and the limited number of participants

Customized online courses

- Same approach as our open online courses, just customized for our customers
- Content adapted to customer specific engines and equipment
- Complete courses, which include the option of hands-on training adapted to the customer needs

For more upcoming eLearning course launches, please check out our MAN eAcademy website:

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



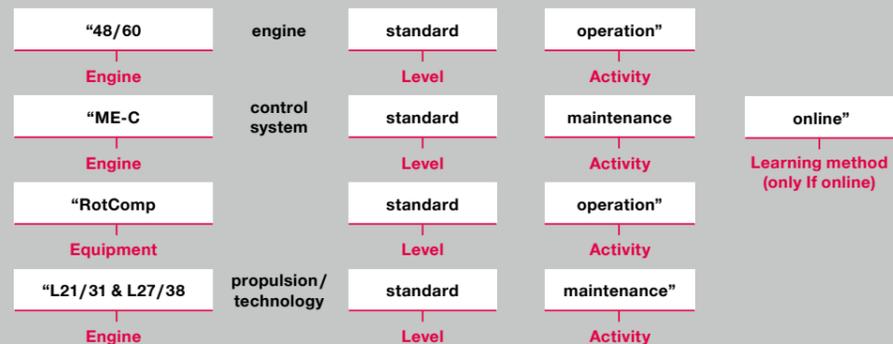


Understand, search, and register

Understanding course titles

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

Suggested naming for external courses:



Engine, equipment or technology

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 upon completion of the course:

- Familiarization
- Standard
- Fundamental
- Advanced
- Expert

Activity

Describes the focus of the course, using the following designations:

- Introduction
- Operation
- Commissioning
- Maintenance
- Optimization
- Troubleshooting

Online

Describes courses which are held online.

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 get back to you shortly regarding your 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://www.man-es.com/docs/default-source/man-primerserv/man-primerserv-academy-course-finder-user-guide.pdf?sfvrsn=8dfeaed_4

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 customized course, please do not hesitate to contact us. Please visit our website for more information:

<https://www.man-es.com/services/man-primerserv-academy/locations>

How to register for a course?

There are two ways to register for a course:

- Online electronically using our course finder or by
- downloading our registration form and sending it to the respective academy

<https://www.man-es.com/services/man-primerserv-academy/locations>

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://www.man-es.com/services/man-primerserv-academy/locations>

Please check
<https://www.man-es.com/services/training-qualification/course-finder>
for detailed and updated information about your courses.



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