



# TRAINING Catalogue



**BIMOTOR Skill Center**  
Via Marie Curie, 22  
Shed 4  
10073 Ciriè (TO) - Italy

**TRAINING Responsible**  
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# Methods of delivery



## **Classroom theory courses**

At Bimotor Skill Center

Or at customer site

## **Webinar**

videoconferencing courses



## **Video tutorial**

available at

[www.bimotor.it](http://www.bimotor.it)

## **Practical training in workshop**

At Skill Center Bimotor  
or customer site



# Our Skill Center

## Skill Center

Via Marie Curie, 22  
10073 Ciriè (TO)  
Italy

Shed 4

GPS: 45.213055, 7.609402

An area completely dedicated to training, with environments that encourage theoretical and practical learning

- 1 classroom
- 1 Workshop
- 1 Area Catering
- 1 Area Engine test



During the course days, we will provide **coffee breaks** and **lunches** by booking a dedicated **catering service**. Therefore, participants are invited to report any **intolerances or special dietary regimes** in advance, so that adequate meals can be provided for all.

# Conventioned Hotel

In the vicinity of our Skill Centre we have 3 **partner hotels** where course participants can take advantage of the BIMOTOR rate. We are available to support participants in booking rooms and to suggest alternative, non-partnered facilities.



**TURIN AIRPORT HOTEL**

<https://turinairporthotel.it>



**GOTHA HOTEL**

<https://www.hotelsitalian.com/gotha-hotel-turin-airport/>



**RELAIS BELLA ROSINA**

[Home - Relais Bella Rosina](#)

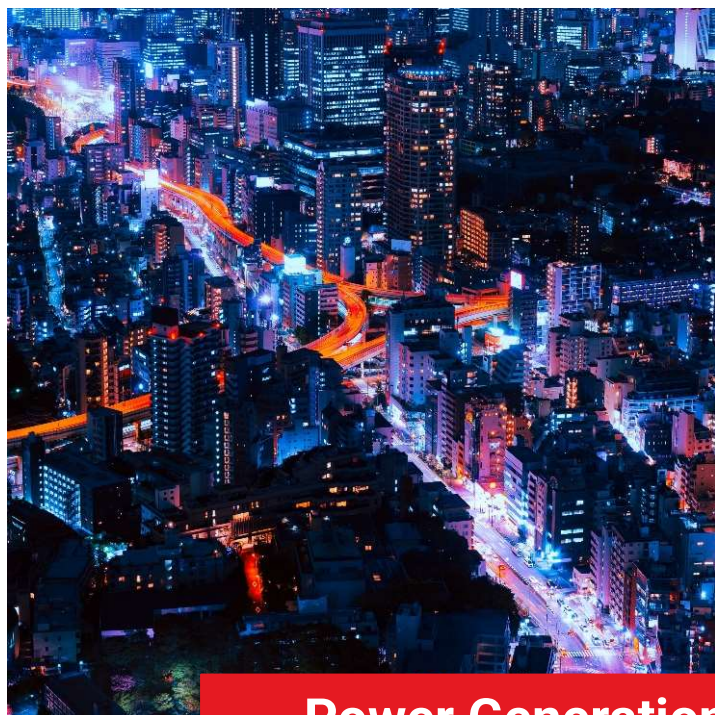
# Course Codes

Course description	Internal ID
Genset Engines	<a href="#"><u>BM_TR_FPT_01</u></a>
Off Road Engines (Low / No emission)	<a href="#"><u>BM_TR_FPT_02</u></a>
Off Road Engines (Stage V)	<a href="#"><u>BM_TR_FPT_03</u></a>
Marine Engines	<a href="#"><u>BM_TR_FPT_04</u></a>
<del>On Road Engines (Outside the Bimotor)</del>	<a href="#"><u>BM_TR_FPT_05</u></a>
PT BOX & Easy Software BASE	<a href="#"><u>BM_TR_FPT_06</u></a>
PT BOX & Easy Software AVANZATO	<a href="#"><u>BM_TR_FPT_07</u></a>
Internal combustion engines	<a href="#"><u>BM_TR_FPT_08</u></a>
<del>ATS Stage IV (Obsolete)</del>	<a href="#"><u>BM_TR_FPT_09</u></a>
NEF & CURSOR ATS Engine Stage V	<a href="#"><u>BM_TR_FPT_10</u></a>
F34 & ATS Engines Stage V	<a href="#"><u>BM_TR_FPT_11</u></a>
F36 & ATS Engines Stage V	<a href="#"><u>BM_TR_FPT_12</u></a>
VCI & UDT Software	<a href="#"><u>BM_TR_FPT_13</u></a>
EASY SCOPE	<a href="#"><u>BM_TR_FPT_14</u></a>
<del>What to avoid (Obsolete)</del>	<a href="#"><u>BM_TR_FPT_15</u></a>
Troubleshooting NEF Engines Industrial	<a href="#"><u>BM_TR_FPT_16</u></a>
Troubleshooting NEF Marine Engines	<a href="#"><u>BM_TR_FPT_17</u></a>
Disassembly Reassembly of Mechanical Engines	<a href="#"><u>BM_TR_FPT_18</u></a>
FPT Portals	<a href="#"><u>BM_TR_FPT_19</u></a>
NEF CNG Engines	<a href="#"><u>BM_TR_FPT_20</u></a>

# Course Code

Course description	Internal ID
POWER Portal (Spare parts)	<a href="#">BM_TR_FPT_21</a>
SDP3 Diagnostic SCANIA	<a href="#">BM_TR_SCA_01</a>
Marine engines SCANIA	<a href="#">BM_TR_SCA_02</a>
Sprinkler Engines Raywin	<a href="#">BM_TR_RAY_01</a>
Motor-pump engines Raywin	<a href="#">BM_TR_RAY_02</a>
Marine engines Raywin	<a href="#">BM_TR_RAY_03</a>
Genset engines Raywin	<a href="#">BM_TR_RAY_04</a>
Electronic engines D20 Raywin	<a href="#">BM_TR_RAY_05</a>
Electronic engines D30 Raywin	<a href="#">BM_TR_RAY_06</a>
Diagnostic Flash-Kit Raywin	<a href="#">BM_TR_RAY_07</a>
Customized (Format reference)	<a href="#">BM_TR_CUS_01</a>

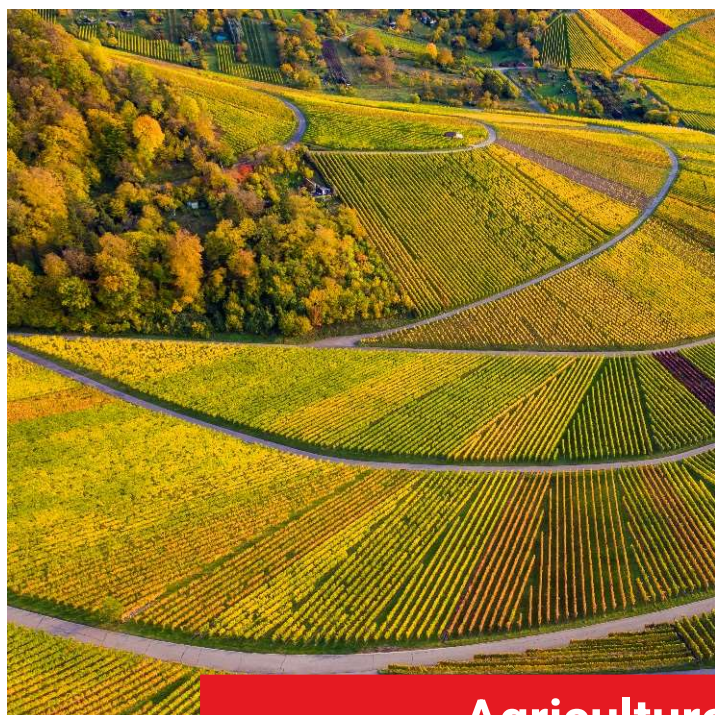
# FPT Industrial Engines



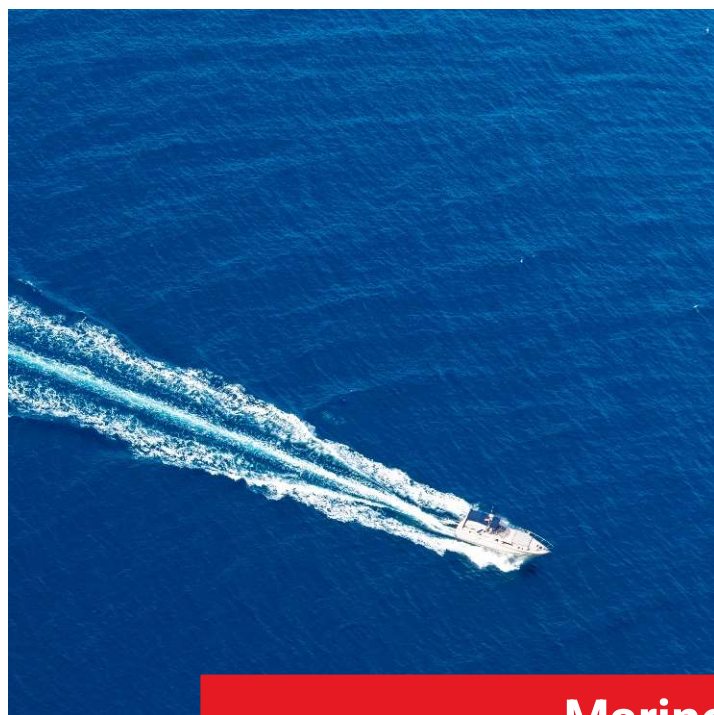
**Power Generation**



**Construction**



**Agriculture**



**Marine**

# Genset Engines

**Training contents:**

- Suction system(A/TS/TCA)
- Fuel system (MEC/EL)
- Exhaust system
- EGR system
- Lubrification system
- Cooling system layout
- Phasing
- Mechanical components
- Sensoristic
- Maintenance activities
- Available Options
- Operating activities at Bimotor workshop

**Training duration:**

2 days

**Available languages :**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates awarded to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

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# Off Road (Low / No Emission)

**Training contents :**

- Intake system (A/TS/TCA)
- Fuel system (MEC/EL)
- Exhaust system EGR system
- Lubrication layout
- Cooling layout
- Phasing
- Mechanical Components
- Sensors
- Maintenance tasks
- Available options
- Operating activities on the engine (removal and reassembly)

**Training Duration :**

2 days

**Available languages :**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates awarded to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

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# Off Road engines (Stage V)

## Training contents :

- Suction system
- Fuel supply system
- Exhaust system
- Lubrication layout
- Cooling layout
- Mechanical Components
- Sensors
- Maintenance tasks
- Available options
- Operating activities on the engine

## Duration of Training:

1 days

## Prerequisites :

Motori Off Road (Low / No emission) **to be included in the request**

## Available languages :

- Italian
- English
- Spanish
- French

## Materials and certificates :

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

## Necessary equipment :

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

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# Marine engines

**Training contents :**

- Intake system (A/TS/TCA)
- Fuel system (MEC/EL)
- Exhaust system
- EGR system
- Lubrication layout
- Cooling layout
- Phasing
- Mechanical Components
- Sensors
- Marine Engine Specificities
- Maintenance Activities
- Available Options Engine Operations

**Training Duration :**

2 days

**Available languages :**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

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# On Road engines

## Training contents :

- Suction system
- Fuel supply system
- Exhaust system
- Lubrication layout
- Cooling layout
- Mechanical Components
- Sensors
- Maintenance tasks
- Available options
- Operating activities on the engine

## Training duration:

2 Days

## Prerequisites

ATS training and the application

## Availability

- 

## Materials and certificates :

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

## Necessary equipment :

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

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# PT BOX & Easy Software BASIC

**Training contents :**

- Hardware configuration
- Software Commands
- Interface
- Diagnosis and error reading
- Parameter reading
- Logging and graphic functions
- Archived data
- Practical activities

**Training duration:**

1 days

**Available languages :**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

# PT BOX & Easy Software ADVANCED

**Contenuti del Training:**

- Flap Valve Test
- UDST Test
- UDLC Test
- UDVC Test
- UDPC Test
- Specific Function

**Training duration:**

1 days

**Prerequisites:**

PT-BOX & E.A.S.Y sw Base

**Available languages :**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

# Internal combustion engine

## Training contents :

- Diesel cycle
- Injection systems
- Combustion process
- Meaning of variables (Power, Torque, BMEP, Fuel consumption, Temperatures, Pressures)
- Undesirable phenomena
- Measurement of torque, speed, fuel consumption, temperature, pressures.
- Engine components
- Intake system
- Lubrication system
- Cooling system
- Exhaust system

## Training duration:

1 days

## Available languages :

- Italian
- English
- Spanish
- French

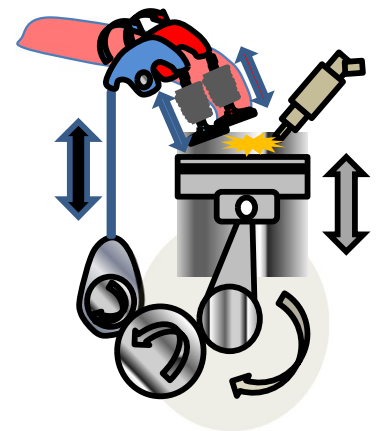
## Materials and certificates :

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

## Necessary equipment :

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing



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# ATS Stage IV

## Training contents :

- Emissions legislation
- ATS Stage IV layout
- AdBlue tank
- Supply Module
- AdBlue Injector (Dosing Module)
- ATS Sensors
- Maintenance
- Inducement and derating
- Diagnostic activities
- Practical example
- Practical activities

## Training duration:

1 days

## Prerequisites:

Off Road engine (Emission) to be included in the request

Available

## Materials and certificates :

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

## Necessary equipment :

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

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# NEF & CURSOR engines ATS Stage V

## Training contents:

- Emissions legislation
- ATS Stage IV layout
- AdBlue tank
- Supply Module
- AdBlue Injector (Dosing Module)
- ATS Sensors
- Maintenance
- Inducement and derating
- Diagnostic activities
- Practical example
- Practical activities

## Training duration:

1 days

## Available languages :

- Italian
- English
- Spanish
- French

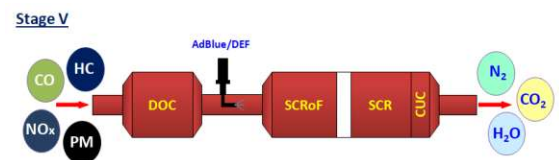
## Materials and certificates :

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

## Necessary equipment :

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing



# F34 engine & ATS Stage V

**Training contents:**

- Suction system
- Fuel supply system
- Exhaust system
- Lubrication layout
- Cooling layout
- Mechanical Components
- Sensors
- External EGR
- TVA
- ATS System & Sensors
- Practical activities

**Training duration:**

1 days

**Available languages :**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

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# F36 engine & ATS Stage V

**Training contents:**

- Suction system
- Fuel supply system
- Exhaust system
- Lubrication layout
- Cooling layout
- Mechanical Components
- Sensors
- External EGR
- TVA
- ATS System & Sensors
- Practical activities

**Training duration:**

1 days

**Available languages :**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

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# VCI & UDT Software

**Training contents :**

- Hardware configuration
- Software
- Commands
- Interface
- Diagnosis and error reading
- Parameter reading
- Logging and graphic functions
- Archived data
- Practical tasks
- Tests UDST
- Test
- Specific Function

**Training duration:**

1 day

**Available languages :**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

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# EASY SCOPE

**Training contents:**

- Hardware configuration
- Accessories
- Software
- Commands
- Interface
- Different types of tests
- Calculation functions
- Cursor functions
- Practical examples on motor

**Training duration:**

1 day

**Available languages :**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

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# What to avoid

## Training contents:

- Blow-By effects
- Effects on AdBlue storage
- Injector and mixer misplacement effects
- Effects on use at Low Load

## Training duration:

0,5 day

## Prerequisites:

ATS training to be included in

## Available languages :

- Italian
- English
- Spanish
- French

## Materials and equipment :

- ... provided to participants on USB
- ... certificates handed out to participants at the end
- ...

## Additional equipment :

- ... (in case of face-to-face courses c/o Skill Centre)
- Safety shoes
- Appropriate work clothing

# Troubleshooting ind. NEF engine

**Training contenents:**

- Using diagnostic tools
- Problem solving
- Different types of tests

**Training duration:**

2 days

**Prerequisites:**

ATS training and PT-Box to be included in the application

**Available languages :**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

# Troubleshooting marine NEF engine

**Training contenents:**

- Using diagnostic tools
- Problem solving
- Different types of tests

**Training duration:**

2 days

**Prerequisites:**

Marine engine training and PT-Box to be included in the application

**Available languages :**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

# Engine disassembly/reassembly

**Training contents:**

- Use of the correct instrumentation
- Engine and component analysis
- Engine disassembly and reassembly
- Phasing

**Training duration:**

1,5 days

**Prerequisites:**

Internal combustion engine to be included in the application

**Available languages :**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

# FPT portals

**Training contenents:**

- Use of FPT portals
- E-tim (if FPT service)
- Service tool
- Web Accademy (if service FPT)

**Training duration:**

1 day (if FPT service ) / 0,5 day (if OEM)

**Available languages :**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

**Necessary equipment :**

- PC

# NEF CNG engine

**Training content:**

- GAS use safety standards
- GAS storage standards
- Fuel system
- Ignition system
- Suction system
- Exhaust system

**Training duration:**

1 day

**Available languages :**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

# PORTALE POWER (Ricambi)

**Contenuti del Training:**

TBD

**Durata del Training:**

TND

**Lingue disponibili:**

- Italiano
- Inglese
- Spagnolo
- Francese

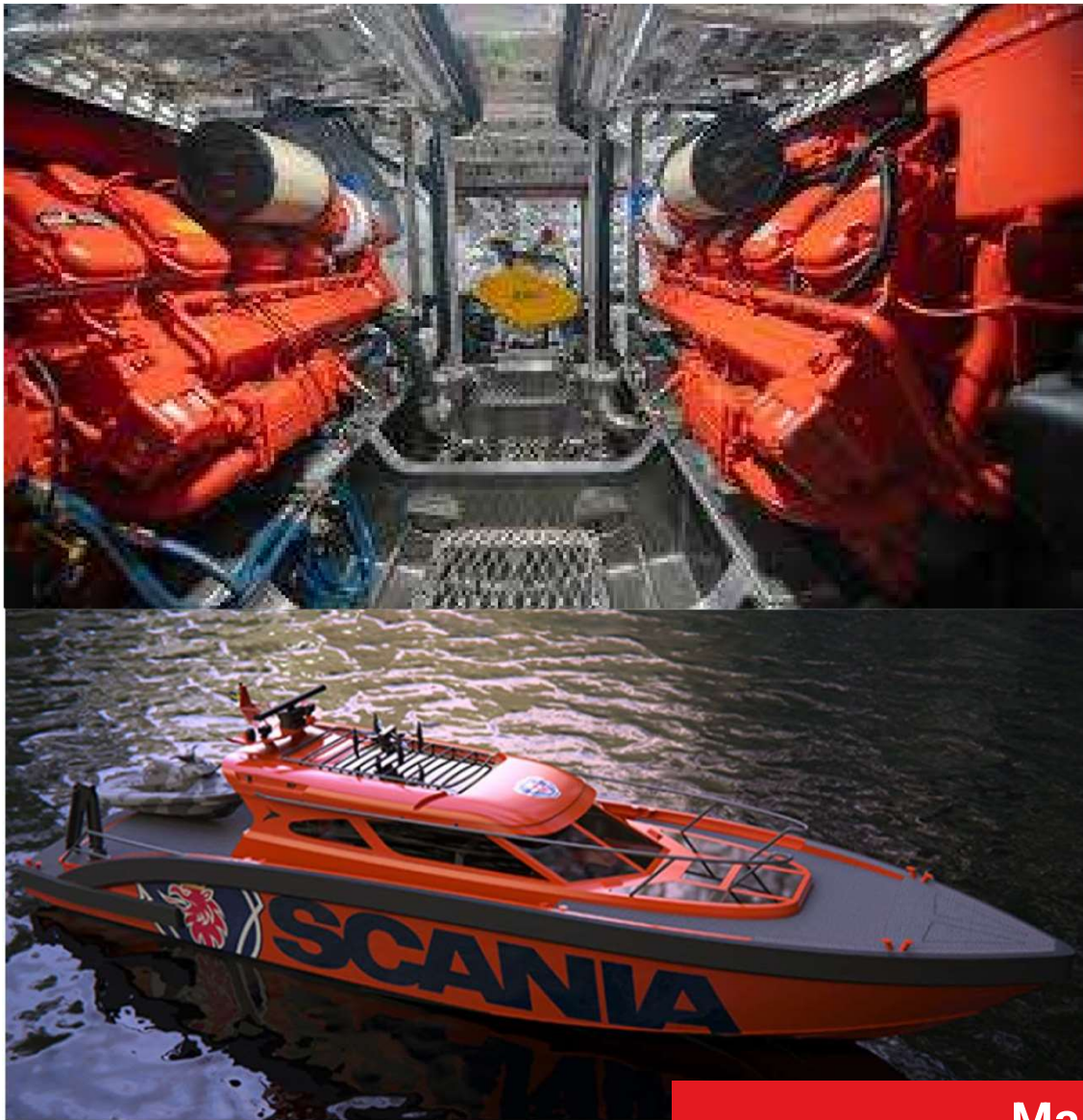
**Materiale e att**

- Materiale didattico fornito ai partecipanti su USB
- Attestati di partecipazione consegnati ai partecipanti a fine corso

**Tools necessari:**

TBD

# SCANIA engine



**Marini**

# SDP3 diagnostic SCANIA

## Contenuti del training:

- Error memory analysis
- Parameter acquisition
- Component identification
- Limit parameter management
- Circuit diagrams
- Identification of spare parts

## Training duration:

- 0,5 day

## Available languages :

- Italian
- English
- Spanish
- French

## Materials and certificates :

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

## Necessary equipment :

- *(Course in a meeting room (no equipment needed))*



# Marine engine SCANIA

**Training contenents:**

- Suction system
- Fuel system
- Exhaust system
- Lubrication layout
- Cooling layout
- Mechanical Components
- Sensors
- Maintenance
- Available options

**Training duration:**

1,5 days

**Available languages :**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

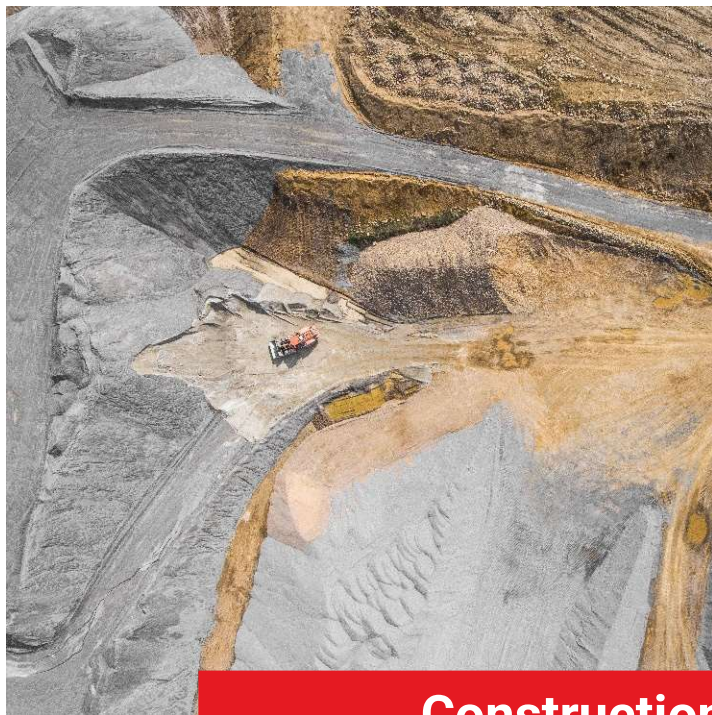
- Safety shoes
- Appropriate work clothing



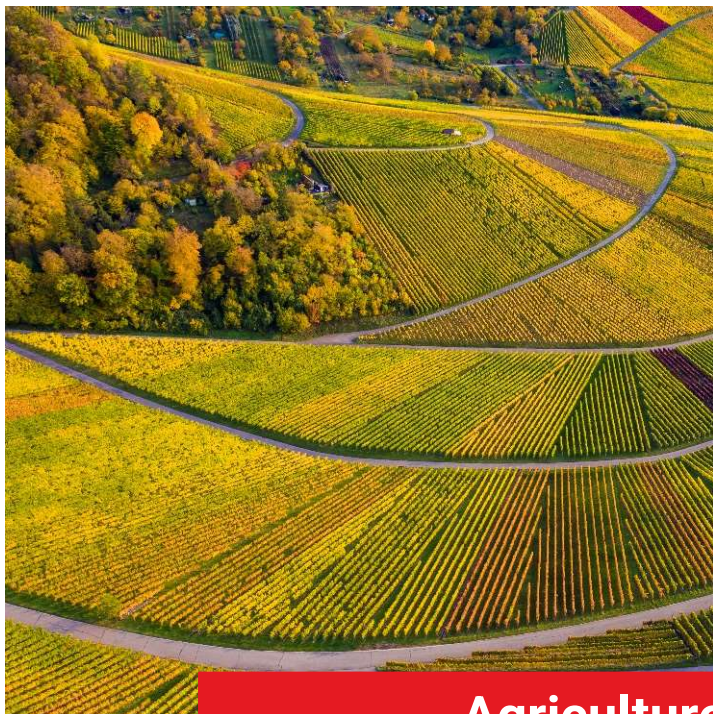
# RAYWIN engines



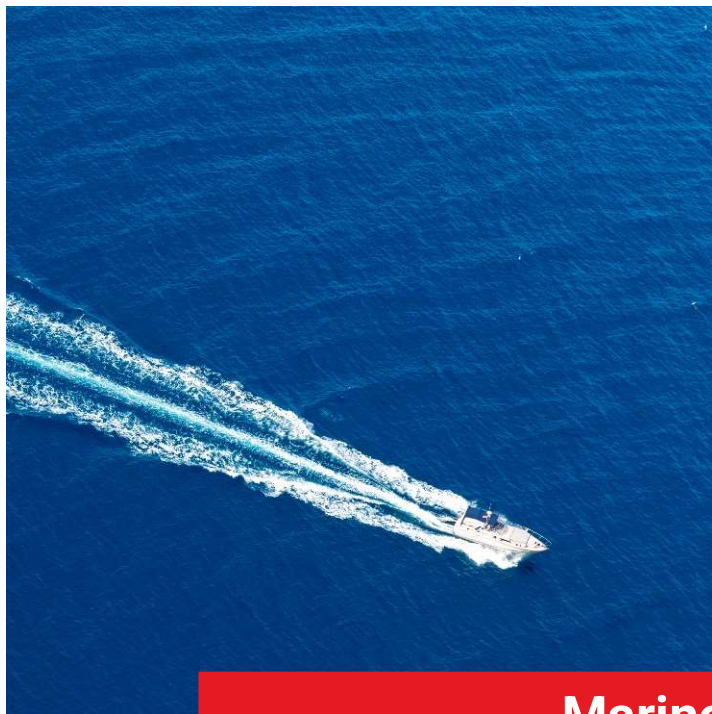
**Power Generation**



**Construction**



**Agriculture**



**Marine**

# Sprinkler Raywin engine

**Training contenents:**

- Engine range
- Intake system
- Fuel system
- Exhaust system
- Lubrication layout
- Cooling layout
- Phasing
- Mechanical
- Components
- Sensors
- Maintenance tasks
- Available options
- Operating activities on the engine (removal and reassembly)

**Training duration:**

2 days

**Available languages :**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

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# Motor-pump Raywin engines

**Training contenents:**

- Engine range
- Intake system
- Fuel system
- Exhaust system
- Lubrication layout
- Cooling layout
- Phasing
- Mechanical
- Components
- Sensors
- Maintenance tasks
- Available options
- Operating activities on the engine (removal and reassembly)

**Training duration:**

2 days

**Available languages :**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

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# Marine Raywin engines

**Training contenents:**

- Engine range
- Intake system
- Fuel system
- Exhaust system
- Lubrication layout
- Cooling layout
- Phasing
- Mechanical
- Components
- Sensors
- Maintenance tasks
- Available options
- Operating activities on the engine (removal and reassembly)

**Training duration:**

2 days

**Available languages :**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

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# Genset Raywin engines

**Training contenents:**

- Engine range
- Intake system
- Fuel system
- Exhaust system
- Lubrication layout
- Cooling layout
- Phasing
- Mechanical
- Components
- Sensors
- Maintenance tasks
- Available options
- Operating activities on the engine (removal and reassembly)

**Training duration:**

2 days

**Available languages :**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

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# Electronic D20 Raywin engine

**Training contenents:**

- Suction system
- Fuel system
- Exhaust system
- Lubrication layout
- Cooling layout
- Phasing
- Mechanical components
- Sensors
- Maintenance
- ATS system

**Training duration:**

2 days

**Available languages:**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

# Electronic D30 Raywin engine

**Training contenents:**

- Suction system
- Fuel system
- Exhaust system
- Lubrication layout
- Cooling layout
- Phasing
- Mechanical components
- Sensors
- Maintenance
- ATS system

**Training duration:**

2 days

**Available languages:**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

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# Diagnostica Flash Kit Raywin

- Contenuti del training:
  - Analisi errori in memoria
  - Test disponibili

- \_\_\_\_\_

- Durata del training:
- TBD

- **Lingue disponibili:**

- Italiano
- Inglese
- Spagnolo
- Francese

- **Materiale e attrezzature:**

- Materiale didattico fornito ai partecipanti su USB
- Attestati di partecipazione consegnati ai partecipanti a fine corso

- **Equipaggiamenti necessari:**

- (in caso di corsi in presenza c/o Skill Center)
- Scarpe antinfortunistiche
- Abbigliamento da lavoro adeguato



# CUSTOMIZED COURSE

**Training contenents:**

- Depending on the requestsof the customer by or email sent

**Training duration:**

TBD

**Available languages:**

- Italian
- English
- Spanish
- French

**Materials and certificates :**

- Training material provided to participants on USB
- Participation certificates handed out to participants at the end of the course

**Necessary equipment :**

*(in the case of face-to-face courses c/o Skill Centre)*

- Safety shoes
- Appropriate work clothing

# Training request form

## Training request form

### BIMOTOR Customer code

☐ I'm not a Bimotor Customer

### Contact details

Reference person

Phone number

email address

### Training Course

*Please select from the menu*

### Preferred period

From

To

*Please select the dates*

### Preferred training site

*Please select from the menu*

### Participants Number

*Please specify*

### I don't need a standard training!

*Please specify your needs*

Send this format to **training@bimotor.it**

Our **Technical training team** will analyze your request and get in touch with you as soon as possible.



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For any training request, whether for Catalog Courses or customized on-demand courses, on the site at the link <https://www.bimotor.it/it/come-operiamo/formazione.html> you will find the fillable form, to be forwarded then to **training@bimotor.it**