

**EsTC**

ECOSPRAY TRAINING CENTER

# Online Training

**ECOSPRAY**  
technologies for the planet

# Overview

Training is a key element to **ensure** reliability, **increase** usage rates and to **optimize** the system's performance.

Make your **investment profitable ... online!**

- Online delivery means flexibility, less travel and a lower cost.
- Online training is a cost effective and flexible way to acquire actionable knowledge.
- Online courses can be attended through simple internet connection.

## Main features

- Different formula, all designed to meet your needs and to respond to every request.
- A wide range of courses to prepare the operators in managing all the operational situations.
- Live and interactive modules led by experienced lecturers.
- Complete support to the participants during the online lessons.
- E-learning Certificate is provided after the course completion and successful scoring in the final test.

## A course for every need

### 1

Intro EGCS

### 2

Basic

### 3

Refresh

### 4

Advanced

### 5

E-Pills





## How it works

### Open courses

1. Check the agenda and book your preferred course online
2. You will receive all the instructions to complete your registration and all the information to attend the course online
3. Follow the instructions and enjoy your course online
4. Get the e-certificate
5. Keep in touch with Ecospray to discover all our new courses and latest news

### Personalized courses

1. Contact our training center [info.training@ecospray.eu](mailto:info.training@ecospray.eu) to finalize your team training program
2. You will receive all the instructions to complete your registration and all the information to attend the chosen online course
3. Follow the instructions and enjoy your online course
4. Get the e-certificate
5. Keep in touch with Ecospray to discover all our new courses and latest news



### Educational material

**Procedures** and **Pocket Guide** are provided at the end of the course, together with **full access** to Ecospray's training web portal.



### E-learning certificate

The participants are **fully supported** during the online lessons and provided with an **E-learning Certificate** after completion of the course and successful scoring on the **final test**.



### Hands-on training

A separate on request module that allows participants to exercise with **real components** and **simulate real-life cases** thanks dedicated simulation area.

# Intro EGCS (M.EGCS.I.20)



**Webinar mode**



**2 half-day duration**



**Scheduled with fixed dates**

- **Who should attend**

The course is open to anyone willing to learn about EGCS's, from Managers to Engineers.

- **Objectives**

Explain the standard configuration of a typical EGCS and the relevant international regulations.

- **Takeaways**

Whether you are going to take the decision of installing an EGCS, or you are embarking on a vessel equipped with an EGCS, you will have extra insight thanks to knowledge and awareness.

## Course Agenda

### day 1

1. Introduction
2. System process and components

### day 2

1. Regulations
2. System operations

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# EGCS Basic (M.EGCS.B20)



**8 participants  
max.**



**3 half-day  
duration**



**1 final test**

- **Who should attend**

Specifically designed for Superintendents and onboard personnel like Chief Engineers and 1st/2nd/3rd Engineers.

- **Extensive Content**

Obtain a comprehensive understanding of EGCS, from a regulatory and design point of view of maintenance and control operations.

- **Takeaways**

Participants achieve deep understanding of regulations and procedures to comply with IMO SOx emission limits, together with the tools needed to successfully manage and operate their Exhaust Gas Cleaning Systems.

## Course Agenda

### day 1

1. EGCS Overview
2. Regulations and Compliance

### day 2

1. Water Analysis Rack & Compliance Equipment
2. Gas Analyzer
3. EGCS Safety
4. Technical Support, Maintenance, Spares

### day 3

1. Introduction to EGCS Control
2. EGCS Operation with Troubleshooting

# EGCS Refresh (M.EGCS.R20)



**8 participants  
max.**



**2 half-day  
duration**



**1 final test**

- **Who should attend**

The course is addressed to trainees that already attended the EGCS Basic training (M.EGCS.B20) course.

- **Objectives**

Recap the topics seen in the M.EGCS.B20 course with an overview on future projects.

- **Takeaways**

Participants are brought back to the basics, reviewing some of the fundamentals, or improve their knowledge with updates and new information.

## Course Agenda

### day 1

1. Introduction and new technologies
2. Process
3. Compliance equipment

### day 2

1. Regulations
2. Q&A Common problems and solutions



# EGCS Advanced (M.EGCS.A20)



**8 participants  
max.**



**3 half-day  
duration**



**1 final test**

- **Who should attend**

Particularly recommended for Chief Engineers and Electricians. The course is addressed to trainees that already attended the EGCS Basic training (M.EGCS.B20) course.

- **Extensive Content**

Attending the course, participants achieve a deep understanding of the electrical configuration of the EGCS, parameters settings, as well as a detailed overview about scrubber material and repairs.

- **Takeaways**

A full knowledge of the EGCS is beneficial also to improve the performance of the system, which means less failures and more running hours.

## Course Agenda

### day 1

1. PLC
2. Communication protocols
3. Variable Frequency Drives

### day 2

1. Field sensors
2. Seawater flow regulation
3. Parameters settings
4. Diagnostic & Alarms

### day 3

1. Tower design
2. Internal inspections
3. External inspections
4. International Regulations
5. IMO Circular 883
6. Real incident cases

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# EGCS E-Pills (M.EGCS.P20)



**8 participants  
max.**



**2 hours  
duration**

- **Who should attend**

The course is addressed to trainees that already attended the EGCS Basic training (M.EGCS.B20) course. Depending on each pill, the target could be different.

- **Objectives**

Broaden the participants' knowledge on specific topics.

- **Takeaways**

A very detailed explanation focusing your attention only on the topic you want to better understand.

## Available pills

**P20A** - System Control

**P20B** - Regulations

**P20C** - Water racks (Hach)

**P20D** - Tower inspection

# EsTC

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Check the latest news from  
**Ecospray Training Center**

[training.ecospray.eu](http://training.ecospray.eu)



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