



# Laser Safety Officer Training - Program Level 3

## Face-to-face format

### OBJECTIVES

At the end of the training, the trainee will have the ability to:

- Know how to do a laser risk analysis
- Design or improve the layout of a secure laser room
- Adapt means of protection and prevention
- Ensure your safety and that of others

### PUBLIC

These are personnel working with laser equipment and having access to radiation levels above the exposure limit value, in other words, higher than Class 2 lasers. People who are responsible for their own safety and the safety of others.

Examples: HSE Manager, Safety Engineer, Laser Manufacturers or Laser Machines

Prerequisites: Mathematical calculation high school level

### RUNTIME

2 days of training, for a total of 14 hours.

### HEADCOUNT PER SESSION

Up to 12 trainees per session.

### PRICE

Intra-company format: on quote by [email](#) (12 trainees maximum per session)

#### Information and registration:

**Email :** [joevan.ziebel@laser-protect.fr](mailto:joevan.ziebel@laser-protect.fr) | **Phone. :** +33 (0)7 68 46 69 77

**Training organization :** Laser Protect, 8 rue des Pierres, 67400 Illkirch-Graffenstaden, France

**Siren :** 919784504 | **Siret :** 91978450400012 | **N° of activity :** 44670734467



## PEDAGOGICAL AND TECHNICAL MEANS

The following resources will be mobilized for training:

- Face-to-face training with PowerPoint presentation and interactive online quizzes

The training will be provided by Mr. Joévan ZIEBEL, an expert trainer in laser safety with a degree in optical engineering.

The means to be made available to us are:

- An adapted training room.
- A video projector or a large screen.
- WIFI access

## MONITORING AND EVALUATION

**Mechanism for monitoring the execution of the evaluation of training results:**

- Attendance sheet via Edusign (signature by email sent to the trainee)
- Test for validation of the learning at the end of the course
- Training Evaluation Questionnaire.
- Training certificate (with a mention "Validated" in the event of success in the assessment of the learning, i.e. 50% of correct answers)

## TRAINING CONTENT

### Day 1

Face-to-face | 0h45

- Presentation and entrance test on Kahoot!

Face-to-face | 0h45

1. Introduction: risks in our daily lives

Face-to-face | 1h00

2. The characteristics of a laser

Face-to-face | 0h45

3. Types of lasers and their applications

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Face-to-face | 1h00

4. Laser classes

Face-to-face | 0h15

5. Follow-up test on Kahoot!

Face-to-face | 0h45

6. Biological effects

Face-to-face | 1h15

7. Collective and individual protection

Face-to-face | 0h30

- Follow-up test on Kahoot!

## Day 2

Face-to-face | 1h00

8. Regulations and standards

Face-to-face | 2h00

9. MPE (Maximum Permissible Exposure) – Continuous and Pulsed Laser

Face-to-face | 2h00

10. Nominal eye hazard distance

Face-to-face | 1h00

11. Classifying a laser – Accessible Emission Limit (AEL)

Face-to-face | 1h00

- Validation with quiz and feedbacks

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