



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 | Tel.: +33 (0)7 68 46 69 77

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

SIRET: 98967349600018 | Training activity registration number: 44670873667



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

Information and registration:

Email: joevan.ziebel@laser-protect.fr | Tel.: +33 (0)7 68 46 69 77

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

SIRET: 98967349600018 | Training activity registration number: 44670873667



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

Information and registration:

Email: joevan.ziebel@laser-protect.fr | Tel.: +33 (0)7 68 46 69 77

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

SIRET: 98967349600018 | Training activity registration number: 44670873667