

Glass melting technologies

Introductory training

duration

4 half-day,
9 AM – 1 PM (CET)

date

March 14 to 17

location

Online

This training provides an eminent overview of the key process steps involved in converting raw materials into a glass melt ready to be delivered to the forming process. The general description of glass production enables trainees who desire generic knowledge of glass melting to understand the challenges of glass production. With this condensed version of the 5-day General Glass Technology training, you will have a clear view of the main challenges in glass production and how they are linked to raw materials, furnace design, and process settings.

Contents

- Production line for different glass types and products
- Furnace configuration: end port, cross-fired, oxygen fired, electric melters
- A glass furnace is a chemical reactor
- Glass quality : fining process
- Raw materials, recycling and carry-over
- Regenerators and recuperators
- Evaporation, condensation
- Refractory types, properties and challenges
- Energy consumption of glass furnaces
- Environmental aspects and emissions

Training methods

We offer a blended learning approach by mixing e-learning, lectures, open discussions, exercises, and case studies in teams or individually. The number of participants per course is between 8 and 16 to maximize your learning experience. Participants always receive the presentations and a training certificate.

Level of seniority

This training is meant for novice to advanced beginners who would like to improve their understanding and apply the knowledge during practical cases.

Investment

Training costs **€ 1950** per participant. Price excludes tax and duties. The 6th participant from the same company can join for free.

After the training

- You have a clear overview on relations between raw materials, melting, energy consumption, glass quality and furnace lifetime.
- You understand the link between energy consumption (& CO₂ emission) with fuel source, furnace design and operation.
- You know how emissions can be minimized by primary and secondary measures.
- You can define industrial measures to improve on glass quality and yield.

Cancellation fees apply. 1 week before training 50%; no show, full price. In case of an unexpected event, we are happy to look for rescheduling or voucher options. CelSian reserves the right to cancel up to two weeks prior to the training, proposing new dates or refunds. Are you registering as a group? You are entitled to a 15% discount on all courses: for 5 registrations, the 6th participant can join for free.



We welcome your questions by e-mail: academy@celsian.nl Register on www.celsian.nl

Online access to this training can be offered and the training may be fully given online.