

Sustainability and Energy Savings

Introductory training

duration
2 days

date
October 18 - 19

location
Eindhoven and/or Online

Complying with sustainability targets derived from the Paris climate agreement means that the glass industry is looking at options to lower CO₂ emissions and improve energy efficiency. We will discuss the various options (both for short and longer-term) from the perspective of efficiency, technology readiness and potential side-effects.

Contents

- Options for CO₂ emission reduction
- Energy consumption (benchmarking) and CO₂ emission (direct and indirect) of glass production
- Alternative sustainable fuels and their implication on glass quality, energy consumption, emissions, and furnace lifetime
- Influence of the furnace design on energy consumption and CO₂ emission
- Raw material selection and impact on CO₂ footprint
- Waste heat recovery
- CO₂ capture and utilization

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 20 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. When onsite, price includes 2 lunches and 1 dinner. It excludes tax and duties. The 6th participant from the same company can join for free.

After the training

- You have a clear overview of different decarbonisation routes and methods to improve on energy efficiency.
- You can distinguish between short-term and long-term options to improve sustainability of glass production.
- You understand the technological challenges to switch to sustainable fuels, modified furnace designs, and alternative raw materials.
- You are aware of non-technical issues of converting into CO₂-free glass production.

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.