

Sustainability and energy savings

Introductory training

duration
3 half-days
2:00 – 5:30 PM, CET

date
8 – 10 September
2021

location
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. You will have a clear picture of the feasibility of technologies to improve the sustainability of glass production and products.

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
- Waste heat recovery
- CO₂ capture and utilization

Training methods

We offer a blended learning approach by mixing 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 € 1,450 per participant, € 1,350 for each extra participant per company. Price excludes tax and duties.

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

We do our best to ensure that the events take place. However, Celsian reserves the right to cancel up to two weeks prior to the training, proposing new dates or refunds. Cancellation fees apply from 4 weeks before the event: cancelling more than 4 weeks before training is free of charge, less than 1 week before training 50%; otherwise, full price. In case of last-minute cancellation, we are happy to give a voucher for future courses.



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.