

## Solar Energy South Africa

# Romania celsian glass



## Overview

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Are vintage glassware made in Romania?

There is a surprising amount of vintage glassware, found in the UK and elsewhere, that is often mistaken for Italian/Murano glass, but was in fact made in Romania. Labelled examples can be found with three different spellings, which is helpful for dating. Labels that read "Made in Roumania" or "Made in Rumania", date to before 1975.

What is a Romanian blue glass hooped vase?

A Romanian blue glass Scandinavian style hooped vase. A blue cased glass Scandinavian style hooped vase, very similar to designs made in Romania and Japan. Also shown in a Leftons import catalogue, listed as Italian.

When did glass fish come out in Romania?

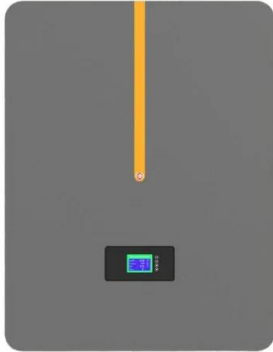
Therefore, items that bare these labels can be dated to approximately 1970's. Information on Romanian glass factories is hard to come by, but two factories that are known to have produced the popular glass fish and other items, are: Pădurea Neagră (Black Forest), in operation 1841 - 1996, and Tomești, approx 1820 - 1990.

What does Johan do at celsian?

Johan joined CelSian as a CFD Engineer in 2019. He brings more than 10 years of float manufacturing experience to the team. Johan looks after our operations and sometimes give training for our Academy. Johan joined CelSian just before the spin-off with TNO. He looks after our software development and novel applications.

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### **GLASS MELTING TECHNOLOGIES (INTRODUCTORY TRAINING)**

She joined CelSian as a glass scientist and trainer in 2019. Oscar Verheijen. Oscar Verheijen obtained his PhD from Eindhoven Technical University before joining TNO as a R& D project manager and business development manager of sustainable technologies. He is now R& D and training team leader at CelSian, Board member of the GlassTrend, member of

### **ANNEALING AND TEMPERING (INTRODUCTORY TRAINING)**

She joined CelSian as a glass scientist and trainer in 2019. Price Training costs EUR 1.200,- per participant. Price excludes tax and duties. The 6th participant from the same company can join for free. **YOU ARE WELCOME TO REGISTER FROM 1 OCTOBER! REGISTER TO THIS TRAINING.** Already registered?



### **GLASS COLORATION, DECOLORATION AND COLOR ...**

With more than 16 years of practical glass making experience, he joined Celsian in 2021 to work as a project manager and trainer. Price Training costs EUR 2.300,- per participant. Price excludes tax and duties. The 6th participant from the same company can join for ...

## FLOAT GLASS WORKSHOP SERIES (ADVANCED TRAINING)

She worked as furnace designer and glass properties manager for Siscam improving, trouble-shooting or developing new glass formulations for different businesses and products (float, container, glassware, e-glass and technological glasses). She joined CelSian as laboratory manager, furnace operations and trainer in 2024.



## REDOX, FINING AND GLASS QUALITY (ADVANCED TRAINING)

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## HEAT TRANSFER IN GLASS MELTING FURNACES (ADVANCED TRAINING)

With more than 16 years of practical glass making experience, he joined Celsian in 2021 to work as a project manager and trainer. Oscar Verheijen He is now R& D and training team leader at CelSian, Board member of the GlassTrend, member of the steering committee of the Dutch Glass Industry (NCNG) and represents the NCNG at European level.



## ELECTRIC MELTING OF GLASS (INTRODUCTORY TRAINING)



Although electric melting of glass is an old technology, many aspects have to be considered to create an efficient system that is suitable for each specific glass production. R& D, and project work. In 2023, he joined CelSian as technical director for the EU area. Price The price per participant is 2.190 EUR. This is the equivalent of 4 tons

## RECYCLED CULLET: IMPACT AND USAGE (ADVANCED TRAINING)

Glass is unique as a material offers true cradle-to-cradle circularity. Higher usage of cullet is a strategy to move the glass industry to a lower-carbon future. From May 1st, 2023, Scott Cooper has taken on the role of Technical Director for the USA at CelSian. Price The price per participant is 2.190 EUR. This is the equivalent of 4 tons



## RAW MATERIALS AND MELTING (INTRODUCTORY TRAINING)

A high-quality glass melt comes from a well-prepared batch. This course covers the initial steps of glass production, from the mineralogy and selection of raw materials to the formation of a melt. glass wool, glass-ceramics). She joined CelSian as a glass scientist and trainer in 2019. Price The price per participant is 2.190 EUR. This is

## FLOAT GLASS MELTING AND FORMING (ADVANCED TRAINING)

He worked at PFG building glass as a furnace engineer, technical expert, and manager of the technical department of two plants. He developed a large experience in raw materials, melting and floating process and defect analysis. He is now working as a CFD Engineer and trainer at CelSian.



## **GENERAL GLASS TECHNOLOGY (EUROPE AUTUMN EDITION)**

She joined CelSian as a glass scientist and trainer in 2019. Penny Marson. Penny Marson studied Glass Science and Technology at Sheffield University. She worked in development and process improvement for TV and lighting glass applications at Philips. She joined CelSian in 2012 concentrating on glass melting projects in the lab.

## [GENERAL GLASS TECHNOLOGY \(EUROPE ...](#)

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## **REDOX, FINING AND GLASS QUALITY (ADVANCED TRAINING)**

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University before joining TNO as a R& D project manager and business development manager of sustainable technologies. He is now R& D and training team leader at CelSian, Board member of the GlassTrend, member of

## GLASS MELTING & PROCESS IMPROVEMENT COURSE FOR INDIAN GLASS ...

Here, the challenges are plenty, so let's focus & deep dive into "Glass Melting & Process Improvement" to guide into a sustainable and cost effective glass melting process. This training is intended for experienced glass experts (> 5 years of experience) willing to deepen their understanding on specific topics.



51.2V 150AH, 7.68KWH



## FEEDER FOREHEARTH PRINCIPLE AND OPERATION (INTRODUCTORY TRAINING)

As the fined glass melt exits the furnace through the throat, it enters the conditioning area. Many glass products, such as containers, glassware, and glass wool, are thermally conditioned in the furnace. She joined CelSian as laboratory manager, furnace operations and trainer in 2024. Price Training costs EUR 1.200,- per participant.

## Celsian hosts General Glass Technology training course

Celsian's General Glass Technology Course takes place in Toledo, Ohio in June. Celsian is preparing

to host another General Glass Technology Course, this time in Toledo, Ohio, USA between June 10 and 14. Its UK session scheduled in May is fully-booked, and the company is now thrilled to bring its expertise to Toledo.



## glass research, process optimisation CelSian Glass & Solar B.V.

CelSian Glass & Solar (former TNO Glass Group) supports the glass industry with optimization of their industrial glass melting, forming and coating processes. CelSian provides hi-level ...

## CelSian Glass USA

CelSian Glass USA , 1510 N Westwood Ave. Mailstop 230, Toledo, OH, 43606 , CelSian provides technical consulting services to the glass and solar industries. CelSian maintains industry-leading computational fluid dynamic software which is used to evaluate designs and solve problems for high temperature furnaces, combustion system



## CelSian wins grant for AI-driven glass research project

CelSian Glass & Solar has been awarded an MIT Grant for a collaborative research project on using Artificial Intelligence (AI) to enhance the efficiency of glass production. The 'Quality prediction and simulation optimisation for glass production' project will explore the use of AI in predicting glass quality.

## CelSian Glass & Solar B.V.

CelSian is an independent glass consultancy firm specializing in optimizing melting processes. They provide various solutions, including CFD software, training, and R& D projects, to improve energy efficiency, reduce emissions, and enhance glass quality for glass manufacturers and suppliers worldwide. Their expertise helps businesses save costs while maintaining high ...



## **ELECTRIC SYSTEMS FOR GLASS MELTING (INTRODUCTORY TRAINING)**

With more than 16 years of practical glass making experience, he joined Celsian in 2021 to work as a project manager and trainer. Price The price per participant is 1.950 EUR. This is the equivalent of 4 tons of glass. When onsite, price includes 2 lunches and 1 dinner. It excludes tax and duties.

## **RAW MATERIALS AND MELTING (INTRODUCTORY TRAINING)**

He worked for 8 years as a Glass Science engineer at OI for different plants in South America, supporting them in color changes, glass quality issues, furnace and batch house ramp-ups, raw materials standardization and implementation of new ones. He joined Celsian as a Project leader acting as a supporter and technical advisor.



## **GLASS COLORATION, DECOLORATION AND COLOR**

## TRANSITION

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## Radio-transparent celsian ceramics modified with glass in a

And the monolithic celsian glass-ceramic containing 0.2 mol SrAl<sub>2</sub>O<sub>4</sub> has the lowest CTE of  $4.927 \times 10^{-6}/^{\circ}\text{C}$  (20-1200 °C). Besides, the prepared monolithic celsian glass-ceramic has an



## ESS



## HEAT TRANSFER IN GLASS MELTING FURNACES (ADVANCED TRAINING)

It focusses on radiative heat transfer in glass melts depending on the presence of colouring ions and redox state of the melt. The effects of new, emerging, sustainable furnace technologies, like hydrogen combustion and full electric ...

## Contact Us

For catalog requests, pricing, or partnerships, please visit:  
<https://www.ian-solar.co.za>