Celsian glass

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.

As an independent entity we support all major glass manufacturers and suppliers around the world with our services. In our diverse team we have leading academic experts as well as hands-on operational experience from various glass segments.

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.

The CelSian team consists of experts with broad knowledge on glass melting and forming processes. Furthermore, CelSian has a laboratory with extensive experimental capacities, including modern analytical equipment, process simulation models, dedicated laboratory set-ups, extended databases and sensors.

Take a look at our CelSian Academy 2025 program. This includes the content of all our open enrolment courses. Do you prefer a tailor-made training? We are happy to adapt our course content to your needs and travel to the location of your choice to train your team.

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 consultancy, contract research, training and (simulation) software tools for process/production design, monitoring and High Performance Control.

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 systems, and vapor coating systems.

CelSian Glass & Solar and Ignition Computing have been awarded the MIT Grant for the R& D cooperation on AI for the "Quality prediction and simulation optimization for glass production" project. With a score of 94.9/100, this application project placed first out of 57 submissions in the national MIT R& D AI tender.

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