

inno up

CHALLENGE DESCRIPTION



The Stoelzle Glass Group can look back on more than 200 years of experience in the manufacture of high-quality packaging glass. The Stoelzle network includes seven production sites, three decoration sites and several sales companies worldwide. We supply our customers with outstanding primary packaging made from the sustainable material glass. The range extends from glass bottles for prestige spirits, primary pharmaceutical packaging, perfume bottles and cosmetic containers to glass packaging for food and beverages. In addition, Stoelzle's Medical Laboratory department offers consumables for laboratory use made of glass and plastic, medical products and laboratory equipment.

Intro:

Actually, the glass industry is mainly dependent on natural gas as the main energy source with electricity as second (now approximately 75:25 % gas:electricity). This also adds the component of supply security.

The main road of our industry will be energy efficiency and electrification, we expect in 2050 electricity as the main energy source with > 80% and the residual 20% process-related energy covered with renewable gas.

Electrification for climate neutrality has the prerequisite of using renewable energy to cover our demand. In total numbers at the example of our Austrian site, we will require about 25 MW of constant renewable energy supply which can be sourced from the grid but also

produced on-site (we already operate a 1.5 MWp photovoltaic system that will be upgraded to 3.2 MWp by the end of 2022).

Category:

Energy - Via Inno up, Stoelzle Glass is looking for innovative start-ups with solutions, services or technologies to ensure a constant power supply from their own sources (e.g. even larger PV, wind power, etc.). The following variants are particularly interesting for us:

- Innovative solutions for storing large amounts of energy from peak production times (PV, wind) for use in non-productive times. Solutions can be any form of electrochemical, chemical, mechanical or other storage solutions (minimum storage time requirements +/- 12 hours).
- Innovative solutions for converting large amounts of renewable energy into easily storable and usable alternative fuels such as hydrogen, possibly coupled to CCU (methanation, methanolization, etc.).
- New forms of regenerative power generation with a continuous power output compared to conventional renewables
- Algorithms and schemes to automatically procure low-cost electricity from the market (e.g. during periods of overproduction) to convert it into any form of storable energy, including automatic profitability calculation and economic thresholds.

Eligibility criteria:

To take part in the Stoelzle Glass challenge, your startup should meet the following criteria:

- your solution is at least PoC ready
- Ideally, there is already a proof of market
- Willingness to work with Stoelzle Glass in Vienna and Styria
- Willingness to possibly collaborate with other finalists on an overall solution
- Working languages: German or English

Offer to the winning team:

Stoelzle Glass offers:

- prize money of EUR 10,000 (equity-free) for the winning team
- prize money of EUR 1,000 for the other finalists
- a setup for a Proof of Concept (PoC) - as well
- if successful, a possible use of your solution
- Joint communication in the media

Legal Disclaimer:

All natural and legal persons of full age are eligible to participate, provided they meet the above-mentioned participation criteria. Employees of Stoelzle Glass and their relatives as well as public officials are excluded from participation.

Stoelzle Glass defines a task (challenge) on the basis of which innovative start-ups register on an online platform via the project website www.inno-up.at. This platform is used to preselect eligible participants, which is then presented to the buddy company. The three most suitable (up to a maximum of five) startups for the final (pitch day) are then selected by Stoelzle Glass with the involvement of the coaches; the finalists will be informed via e-mail. In a final step, the ideas are finalized and presented. One or more winners can be chosen from the finalists. There is no legal entitlement to the conclusion of contracts or other business relationships between the participants/winners and Stoelzle Glass. Likewise, there is no legal entitlement to a final and/or the determination of a winner. The participants will not receive any compensation for their participation.

The conditions of participation, parts of the process or even the entire process can be changed at any time. The changes will be announced in good time and published on the www.inno-up.at platform.

It is possible and participants expressly acknowledge that the research, development and other activities of the participants and Stoelzle Glass overlap thematically. No claims arise from this for the participants. The participant registration is considered as an express consent to this disclaimer.