

## Glass Production

New construction of a green glassworks in Brandenburg.

Operation with renewable energies such as solar and wind in combination with hydrogen production.

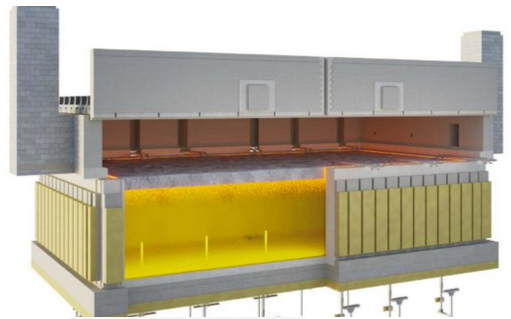
## Project Description

- Glass is the only material that can be recycled an infinite number of times without any loss of quality.
- Society's increasing need to use more recyclable materials supports this project.
- The glassworks "Gloria" is established in Doebern, Brandenburg, Germany.
- The plant will produce about 120,000 tons of glass; this is about 300 million glass containers.
- Approximately 150 skilled workers will be hired.
- The factory has an energy demand of 150,000 MWh per year.



## Renewable Energy

- The large energy demand of the plant is covered by electricity, fossil gas, biogas and, after the start-up phase, hydrogen, as well as solar and wind.
- The energy from solar and wind not used for operation is stored in battery storage and/or hydrogen is produced using an electrolyzer.
- In addition, oxygen is produced with an air separation plant.
- Ideal use of hydrogen in operation will be 25% - 30%.



## Projekt – Partner

- Gloria Glas GmbH – Projekt Owner
- Horn Glass Industries – Construction glassworks
- LEAG– Construction and operation energy plant
- Finomics AG – Investment advisor fund

### Impact Investment

Our project takes into account the environmental, social and governance criteria according to (ESG)

→ **ESG 8 – SDG 8, 9, 12**