



## SPECIALIST FOR THE HEAT-UP, DRILLING AND DRAIN OF GLASS FURNACES

We offer top quality and reliable service in the field of float, container/hollow glassware, specialty glass and fiberglass! We constantly pursue this objective by regular investments both in our staff who works for you and also in the tools and machines that are used for the completion of your project.

### On-site Service

- Heat-up & expansion control
  - » Maximise the potential service life of your glass furnace
  - » High-velocity system ensures even temperature distribution with unique control
- Temperature & expansion measurement
  - » Precise monitoring of the temperature & expansion measurement during glass furnace heat-up
  - » Digital measuring devices at the latest state of the art ensure an exact recording of temperature and expansion
- Glass filling
  - » Reduces dust on your furnace construction
  - » Installation of a vibrating feeder or cullet wetting system before the blower
- Drilling & drain of the glass furnace
  - » Secure drain of your furnace with reduced water consumption
  - » Up to 60m long spout
  - » Water recycling by separation of the water from granulated glass and recirculation of the water by means of pumps (cycle)
- Regenerator cleaning
  - » Increase efficiency of your regenerators by removing of the sulphate by melt-out

- Refractory drilling
  - » Installation and drilling of additional holes according your requirements
  - » Possible diameter: 10 to 300mm
- Temperature hot hold of the furnace during repairs
  - » Repair of your regenerators without the need for drain, cooldown or production stop
  - » Hot hold of the furnace at approx. 1250 °C

### Support

- Excelsius technicians work worldwide
- Workshop & maintenance facilities at the location in Lohr offer the best support for our technicians on duty
- Equipment transport & logistics: our long-standing experience in this field guarantees our planning and logistics personnel successful transports of the equipment to your project site and back.

### Equipment Sale & Rental

- Following an increased number of requests from you globally to purchase or rent our equipment, we decided to establish the Excelsius Rental Services GmbH to specifically deal with your requirements.

**As part of ROBUR, EXCELSIUS offers even more:** almost 3,000 employees globally work in the wind, water, energy, industrial and process industries. As expert partners for our customers we create holistic solutions from planning and implementation, to maintenance and operation, to the relocation and decommissioning driving the challenges of digital transformation and ecological change.