



Title: Smarter Batch. Better Melting. Lower Energy.

The glass industry is facing unprecedented challenges related to rising energy costs, decarbonization, and the increasing use of cullet in the batch.

The presentation introduces Forglass's integrated approach to batch preparation and glass melting, based on modern, proven technologies.

Innovative solutions for batch preparation, process control systems, cullet preparation and preheating—recognizing cullet as a strategic raw material in today's glass industry—as well as process automation and quality control will be presented.

The furnace section will focus on modern furnace design methods based on CFD modelling, hybrid furnace solutions, and the revolutionary Forglass Mixing Electrodes® technology, which enables simultaneous electric boosting and controlled glass melt mixing to reduce melting costs and improve control of the melting process.