



*Industrial Applications  
...Concept to Completion*

# GLASS APPLICATIONS

## CONCEPT TO COMPLETION

When you work with Optimization to meet your production and quality goals, you're working with a team renowned in the glass industry for reliable designs with results that are built to last. Optimization provides services for feasibility, cost and risk assessments, and high-level design. During project execution, our design team provides engineering, drawing packages, equipment, schedules, site and test plans. The team offers continuity throughout specification, design, integration, development, implementation, troubleshooting, startup, debug and production, including ongoing remote technical support services. As a preferred supplier to Fortune 100 companies, Optimization recognizes the need to meet overall client requirements that provide results for management, engineering, quality, maintenance, safety and production staff.

## BATCH HOUSE AUDITS

Use Optimization's services for utilization studies to benchmark capabilities, review changes for new production requirements, and plan multi-phased capital budgets. This analysis can be invaluable for your future capability and production planning.

## TURNKEY GLASS BATCH PLANT SUPPLIER

Klug Systems by Optimization carries on its long-standing tradition of supplying core services to glass manufacturers for batch and material handling. With a base of over half a century of experience, the team delivers superior structural, mechanical, electrical, and controls solutions, offering turnkey projects for your batch plant. Our turnkey batch experience spans the United States and the world; we team with local service suppliers to most efficiently meet your region's codes and standards.

## BATCH HOUSE DESIGN SPECIALISTS

We offer a multi-disciplined design team for your batch processing needs, with best practices for equipment arrangements, dust collection, storage, weighing, mixing and transport of batch. With years of experience, the team has tackled a full-range of batch problems, providing leading-edge solutions for clients in a variety of glass industries.

## GLASS INDUSTRIES

- Containers
- Fiber Glass
- Table Ware
- Float Glass
- LCD Glass
- Lighting
- Specialty

## APPLICATIONS

- Batch House Audits
- Batch Systems
- Cullet Handling
- Material Handling
- MES
- R&D

## DISCIPLINES

- Structural
- Mechanical
- Control Systems
- Electrical
- Process
- Skilled Trades
- Project/Construction Management