

R&D

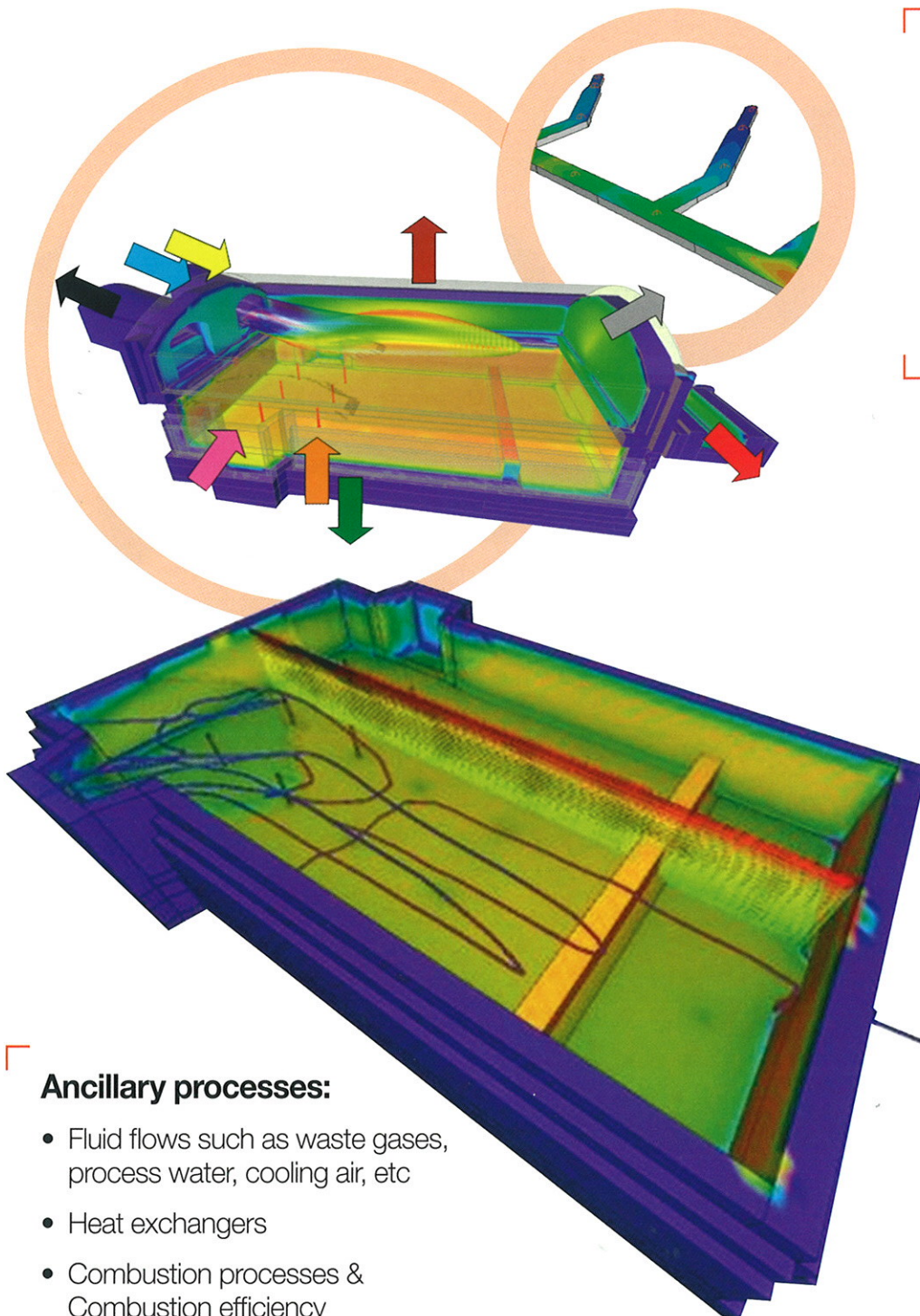
Engineering

Refractories  
workshop

Engineering  
services

## MATHEMATICAL MODELLING

From melting to forming and design optimisation

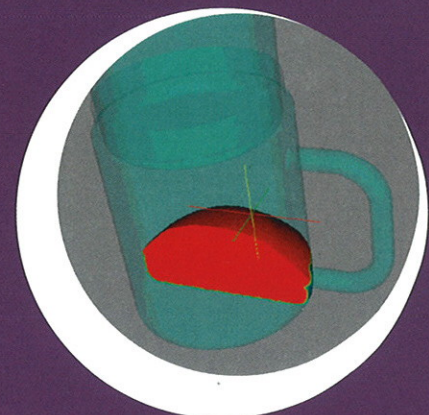
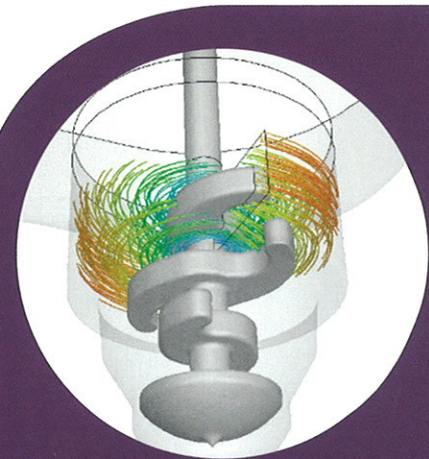


### Glass manufacturing processes:

- Melting and refining zones
- Forehearth conditioning
- Bowl and spout delivering
- Glass forming
- Annealing and tempering

### Ancillary processes:

- Fluid flows such as waste gases, process water, cooling air, etc
- Heat exchangers
- Combustion processes & Combustion efficiency
- Electrical furnaces
- Mechanical & structural modelling



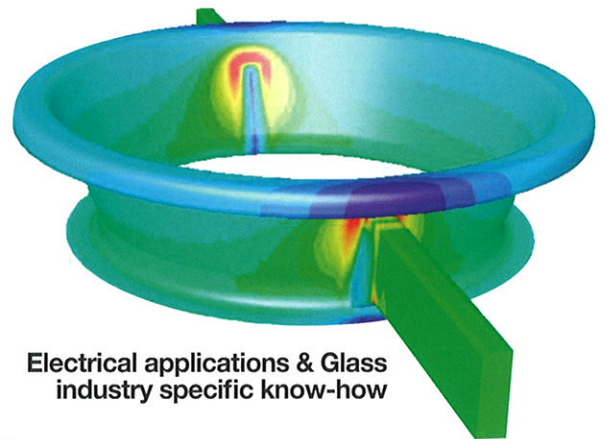
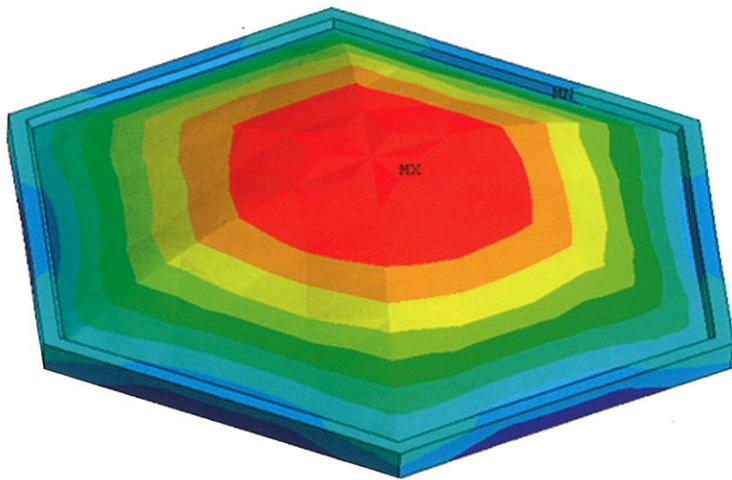
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ARC GLASS MELTING SOLUTIONS

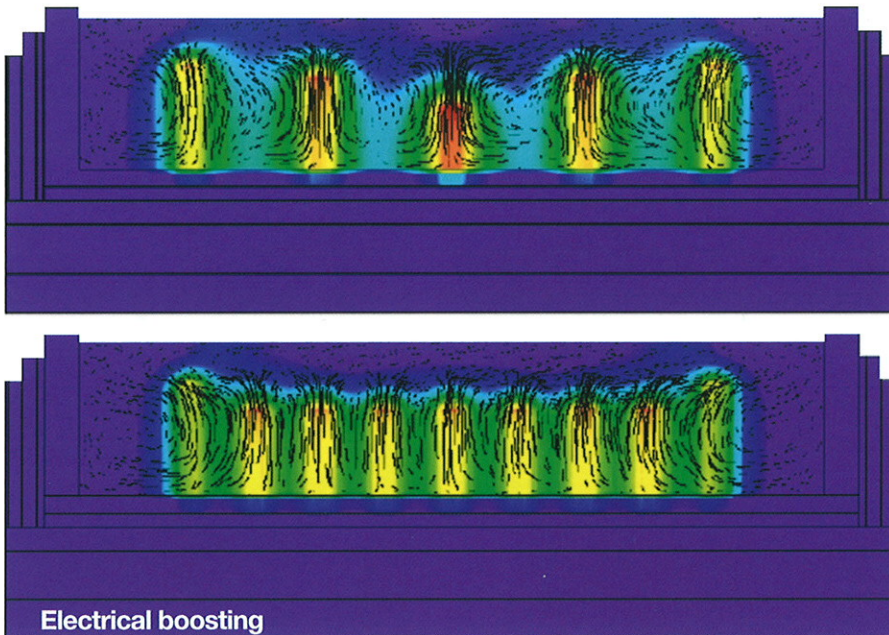
# WIDE VARIETY OF SOFTWARES

for each step of the process

Stress analysis of refractories



Electrical applications & Glass industry specific know-how



Electrical boosting



Pressing  
Blowing  
Annealing  
Tempering

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