

# REDWAVE – your reliable partner



## Process Consultancy

- Definition of requirements
- Material and process flow diagrams
- Reference visits and in-house sorting test



## Project Development

- Plant performance and mass balance calculations
- Development of design concept
- Plant engineering
- Cost estimation



## Project Management

- Project coordination and milestone monitoring
- Cooperation with partner and subcontractors
- Coordination of supplies



## Manufacturing – Supply of equipment

- Technical specification of plant components
- Detailed manufacturing documentation
- Quality assurance



## Installation – Commissioning

- Site coordination
- Mechanical and electrical installation
- Commissioning and start-up
- Training of plant personnel



## Customer Service

- Remote access for support
- Service contracts
- Preventive services

# REDWAVE®

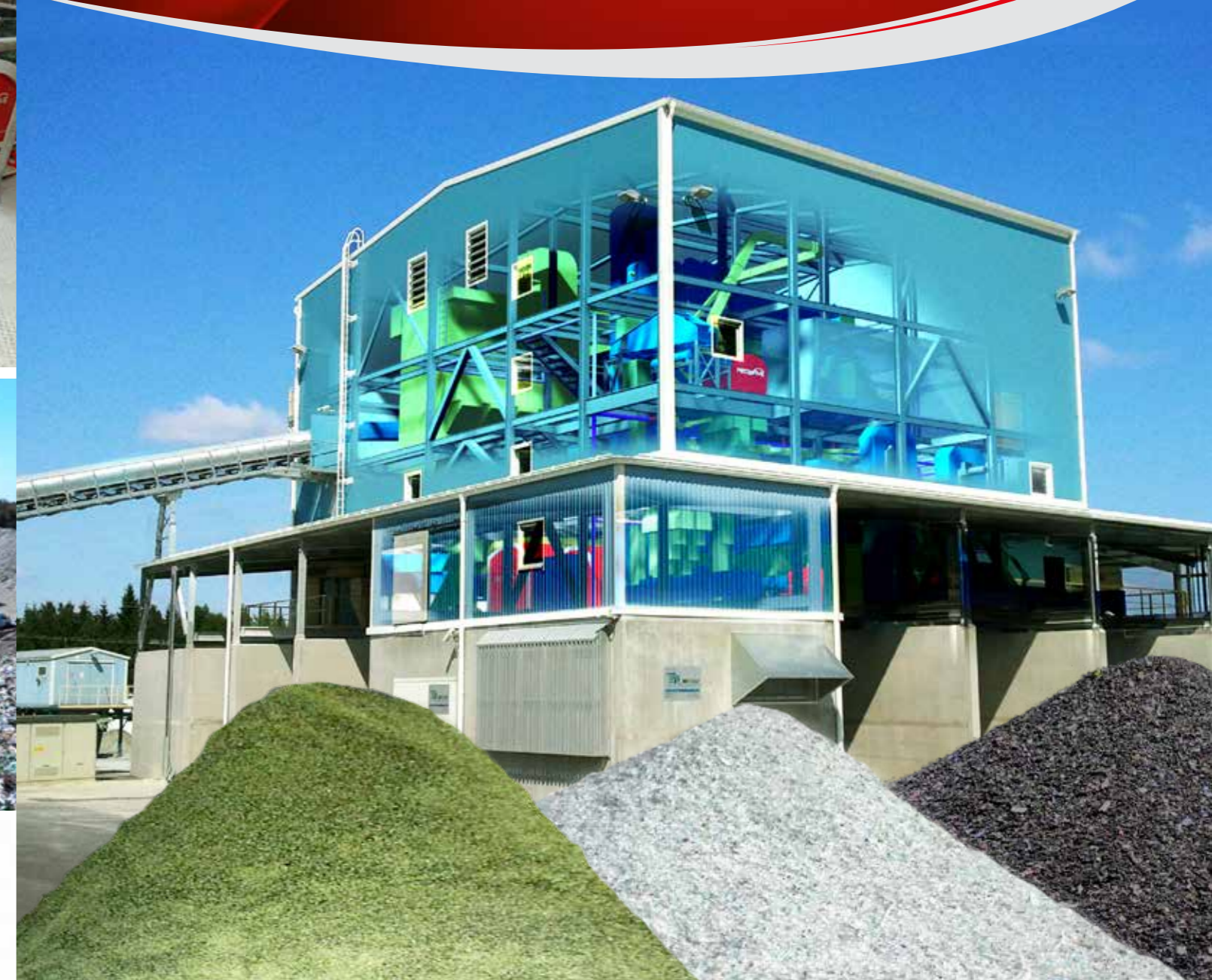


## Our projects

REDWAVE waste glass processing plants have been successfully installed in Austria, Finland, Russia, Italy, Germany, Great Britain, the Czech Republic, Spain, Poland, the Netherlands, Hungary, the USA, France, Tunisia, Ukraine, Sweden, etc.



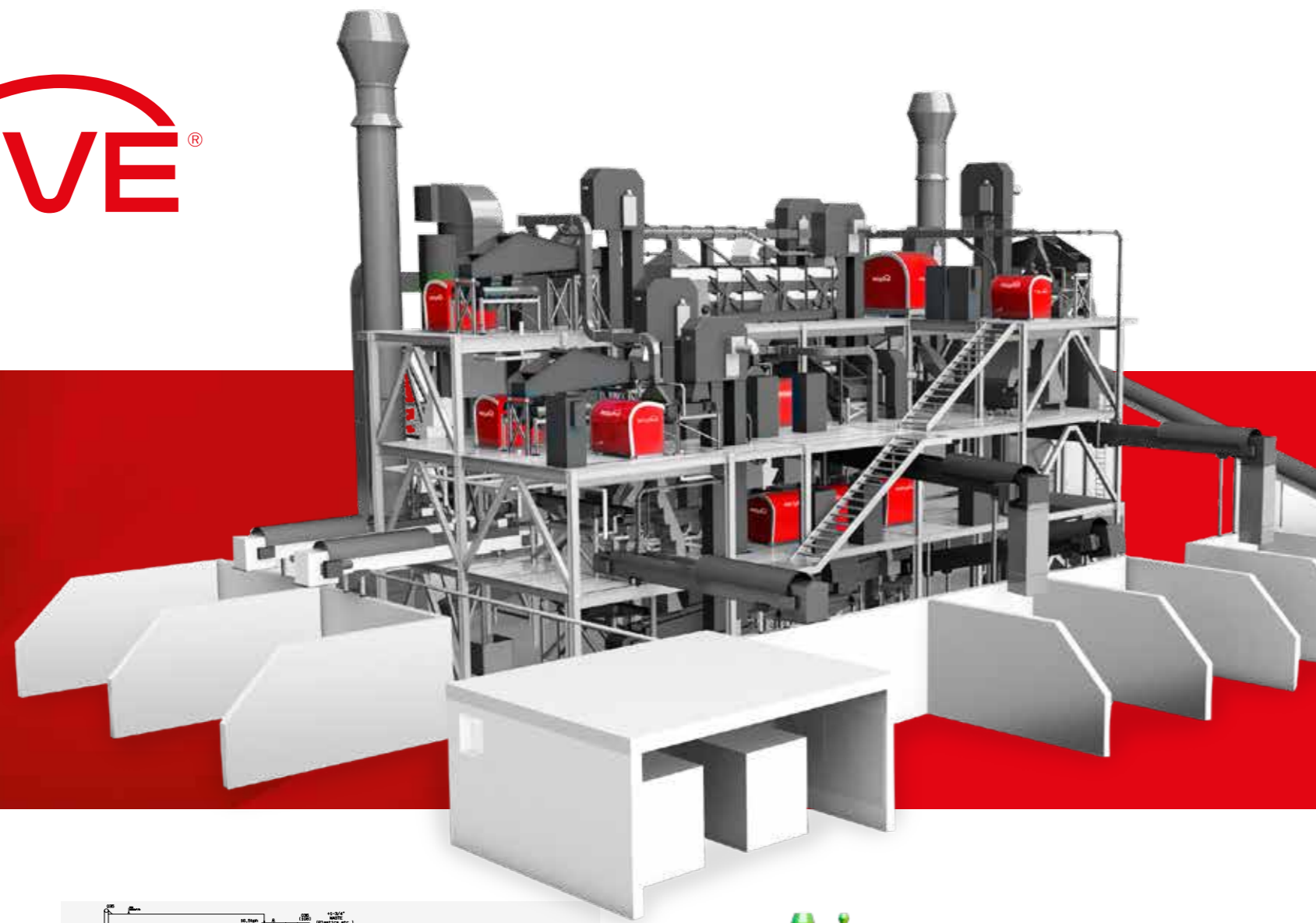
# REDWAVE®



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## WASTE GLASS PROCESSING

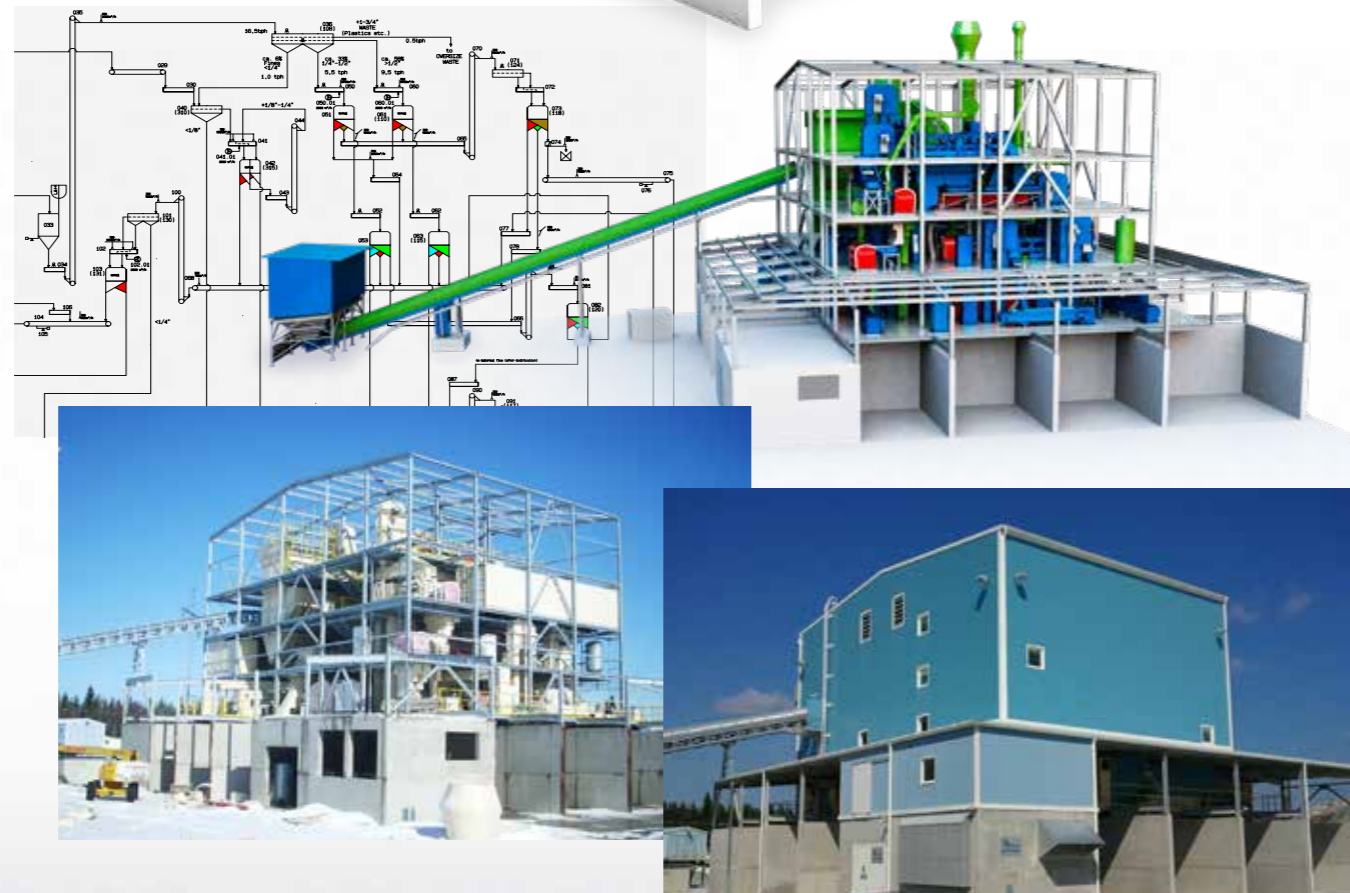


### Waste glass processing for cullet reuse:

- Container glass
- Float glass
- Insulation glass wool
- Foam glass
- Glass beads
- Others (aggregate, abrasives,...)

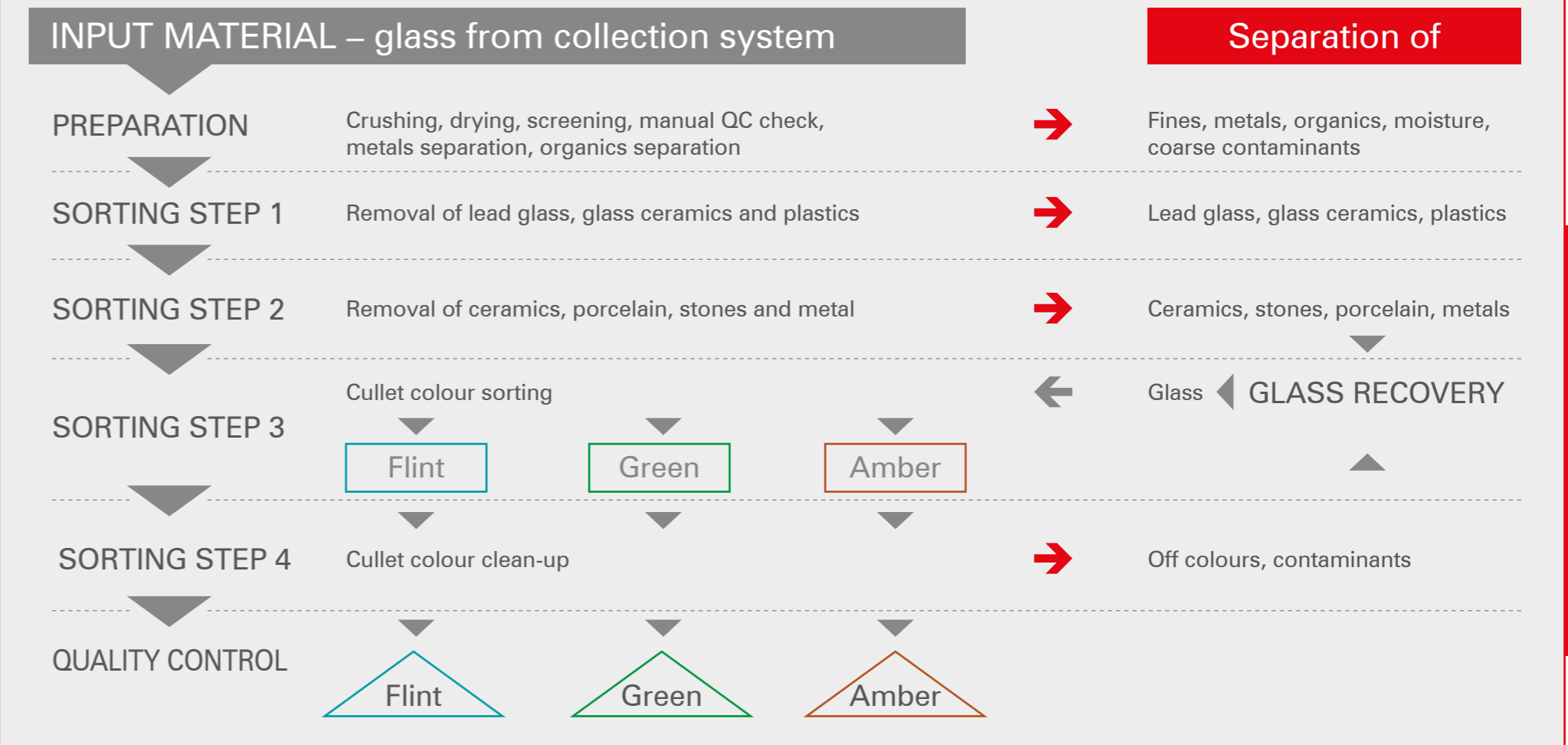
### REDWAVE glass recycling competence:

- ✓ Process consultancy
- ✓ Material and process flow diagrams
- ✓ Plant performance and mass balance calculations
- ✓ Plant layout design
- ✓ Supply of equipment
- ✓ Installation
- ✓ Electrical power supply and plant control system
- ✓ Commissioning
- ✓ Support of operation



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## The REDWAVE waste glass sorting process



### REDWAVE competences and technologies



Input material	Preparation	Sorting step 1	Sorting step 2, 3, 4	Quality control	Final product
<ul style="list-style-type: none"> <li>• Material from kerbside collection</li> <li>• Bottle bank material</li> <li>• MRF glass material</li> </ul>	Crushing: Double roll crusher Drying: Fluidized bed dryer, Rotary drum dryer Screening: Vibrating screens, Flipflop screens, Fine screens Metals separation: Cross belt magnets, Drum magnets, Eddy current separators Organics separation: Airknife separators, Zig-zag separators, Suction plants	Removal of lead glass and glass ceramics: • REDWAVE XRF-G  Removal of plastics and paper: • REDWAVE NIR-G	Removal of ceramics and metals as well as colour sorting and colour clean-up: • REDWAVE CS • REDWAVE CX • REDWAVE CXF  2-way (single eject) and 3-way (dual eject) sorters	Process monitoring and control system: • REDWAVE PMCS  Sample taking and analysing system: • REDWAVE SAS	<ul style="list-style-type: none"> <li>• Remelting in container glass manufacturing</li> <li>• Other use (construction industry, aggregates,...)</li> </ul>

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