



Jornada Anfre 24 Oct 2013

USING RECYCLED MATERIAL,
A NEW STEP IS REACHED :
PARTNERSHIP.

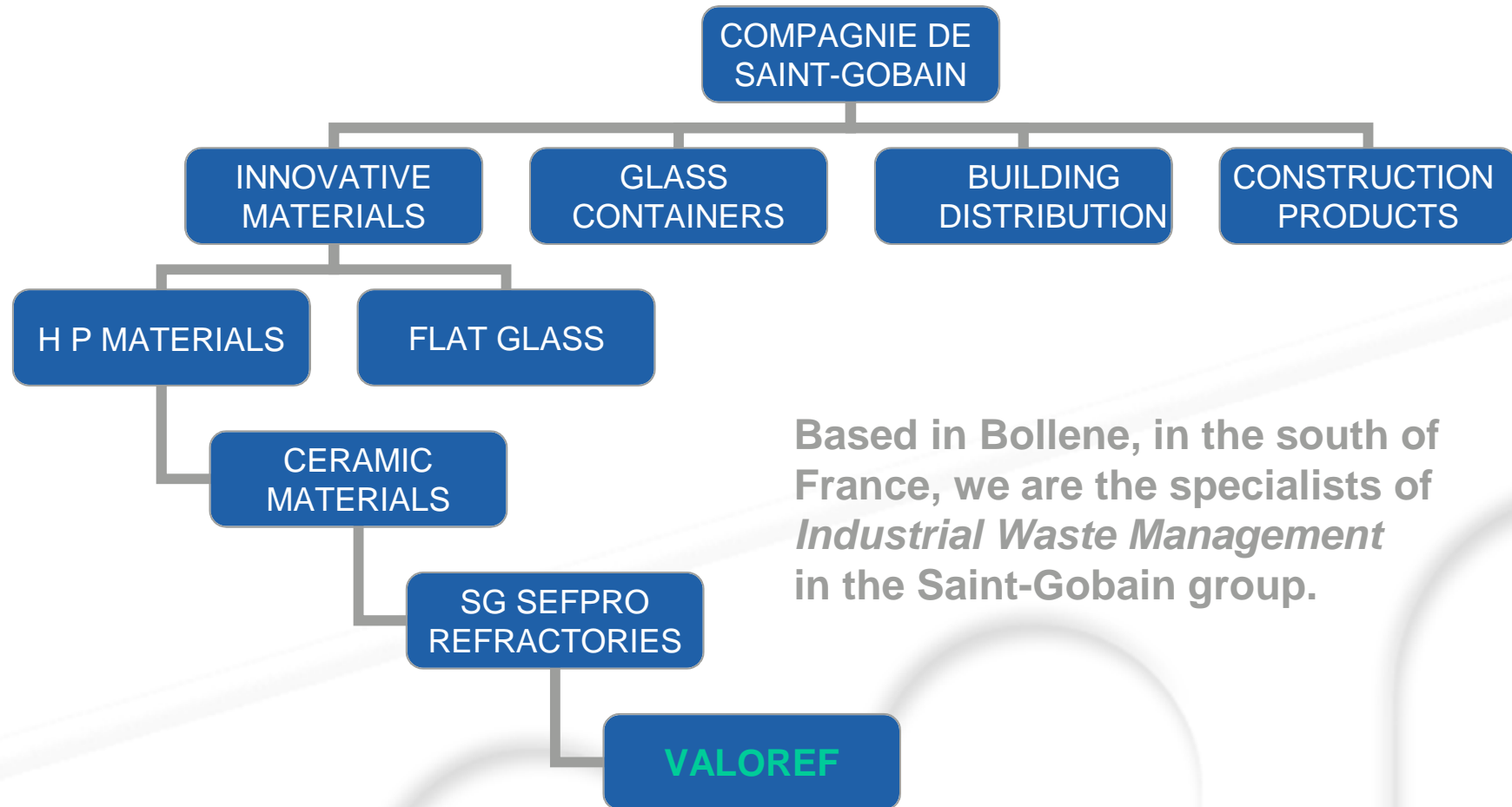
13 slides – 15 mn

Bruno Dorier – Director




SAINT-GOBAIN
CERAMICS

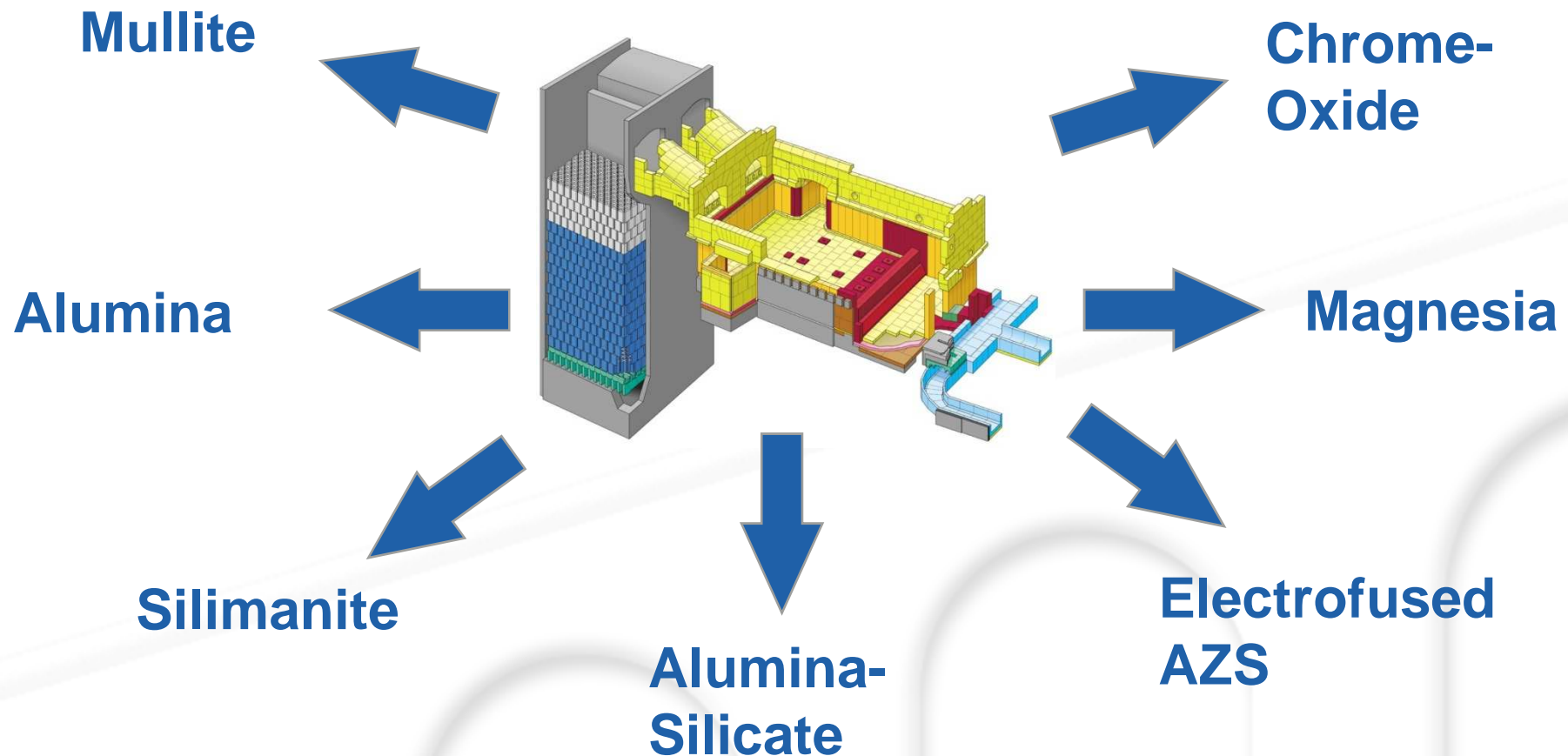
FLOW CHART



Based in Bollene, in the south of France, we are the specialists of *Industrial Waste Management* in the Saint-Gobain group.

GLASS FURNACE : A TREASURE CHEST

We have 25 years of experience
in managing the refractory
waste from glass furnaces.



OUR ACTIVITY ON SITE



Selective
Demolition



Evacuation



Transport



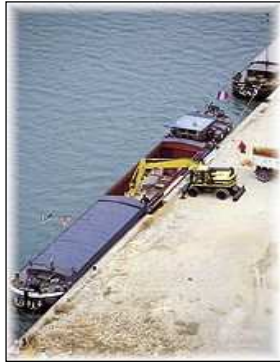
Reception



Control



OUR ACTIVITY ON OUR SITE (Bollene – France)



Unloading
(Rail – Road – Boat)



Primary Storage - Covered



Sorting



Secondary Storage

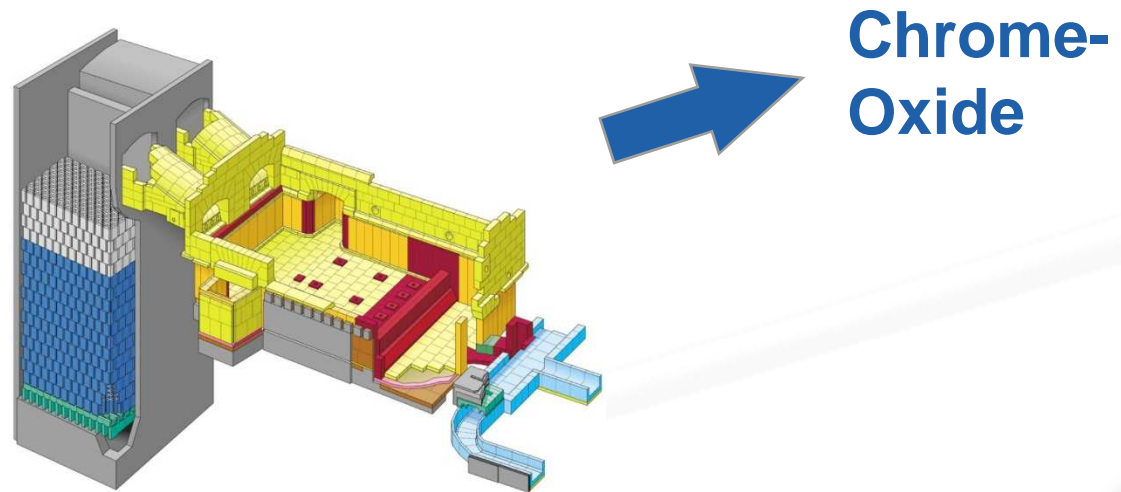


Crushing and Packaging



Expedition

Cr_2O_3 REFRACTORIES RECYCLING : A SUCCESS STORY



Cr_2O_3 REFRACTORIES RECYCLING : A SUCCESS STORY

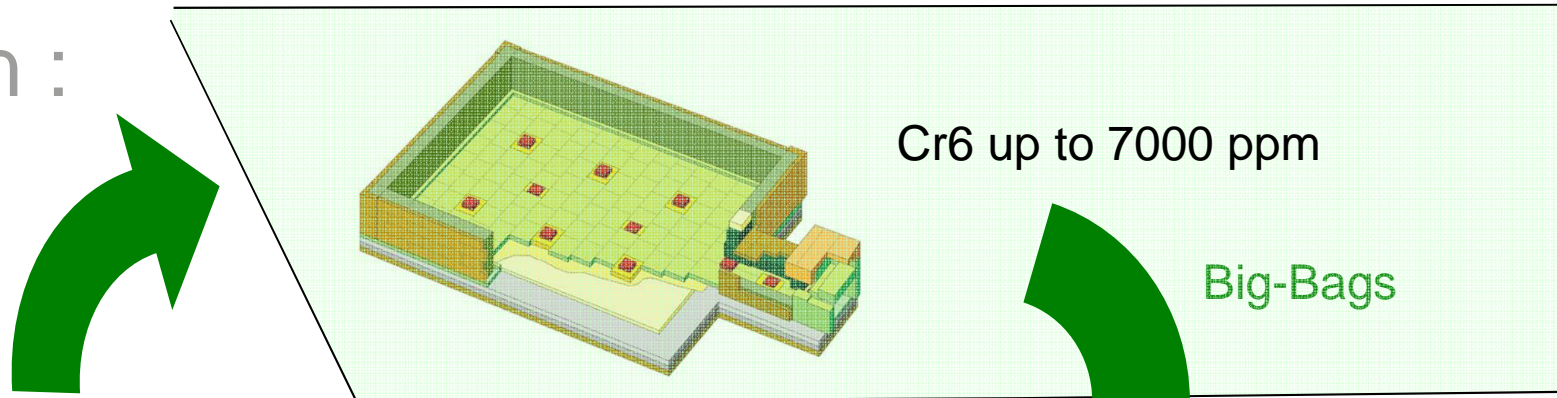
- Savoie Refractaires came to us with its problem :
- « We need a new Chrome based secondary raw material in order to create a new product line.
- It has to be stable in quality, not expensive, stable in quantity with a ramp up in volume in the next 3 years.
- We do not want any HSE issues : no Cr6+ »

Our team spent time thinking, studying, trying.

We came up with the following :

RECYCLING CYCLE OF USED CHROME

Solution :



New Chrome Product line
for Savoie

Goal :

- Premium HSE solution
- Product Performance

Specific Composition
Savoie Réfractaires

SAVOIE

Reclaimed Material

VALOREF

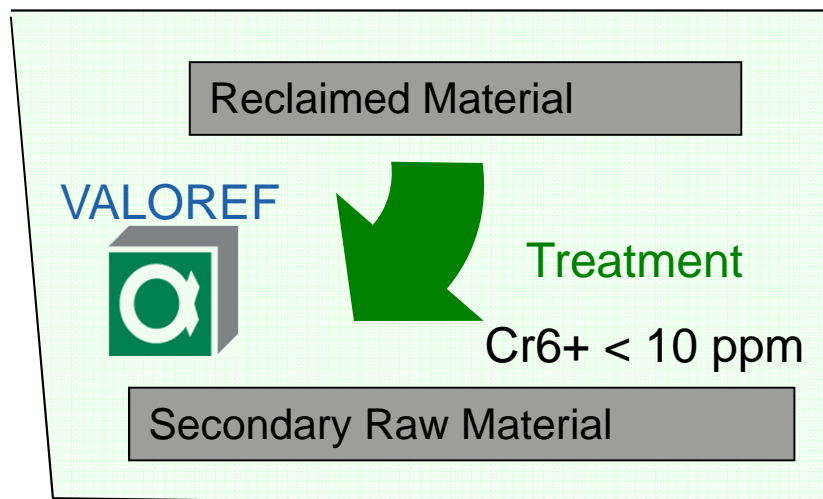


Treatment

Cr6+ < 10 ppm

Secondary Raw Material

Cr_2O_3 REFRACTORIES RECYCLING : A SUCCESS STORY



We offer :

- Management of dismantling and sorting
- Logistic, paperwork
- Glass removal from the blocs
- Transportation
- EHS Management
- Decontamination and recycling
- Production of a Secondary raw material
- Crushing to classified grain
- Packaging (25kg bags, BigBags)
- Material with full certification, MSDS, analysis.

REFRACTORIES RECYCLING : OUR PROPOSAL TO ANFRE MEMBERS



- Set-up the circuit of collection,
- Research of new sources, inside and outside Europe.



- Learning process in sorting according to client specification.



- Analysis Composition and Leaching
- Set-up of desired composition.

REFRACTORIES RECYCLING : OUR PROPOSAL TO ANFRE MEMBERS



- Preparation of samples
- Shipping of samples
- Follow-up



- Client trials
- Analysis
- Production Tests



- Set-up of quality control standards
- Determination of specifications



- Garanty of supply : Annual volume and price
- Yearly delivery prevision plan.

OUR PROPOSAL TO ANFRE MEMBERS

- Develop a partnership based on your future needs,
- Offer you total confidentiality,
- Offer you our capacity of collection of any used refractory or ceramic,
- Offer you our experience in recycling,
- Offer you our analysis competence,
- Offer you our storage capabilities.



CONTACT

For more detailed information
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Thank you !

Administrative Authorisation n° 2465 – 11.10.1996 - 40.000 ton / year

