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## **MAIN DESIGN AND CONSTRUCTION ACCOMPLISHED WORKS - FLOAT AND HOLLOW GLASS -**

### **1. PISA –Italy - year 1994**

- Complete design of the foundations works, steel structures, claddings and coverings for a float glass warehouse
- Civil works execution (foundation works)
- Fabrication and erection of the steel structures, claddings and coverings

### **2. CEBRACE – Brazil – year 1995**

- Design of the steel structures belonging to melting furnace and tin bath supports

### **3. DABROWA GORNICZA – Poland - years 1995/96**

- Complete design of the civil works and steel structures belonging to: Sand Storage, Cullet Storage, Sand Arrival and Batch Plant

### **4. CUATLA – Mexico - years 1996-97**

- Complete design of the civil works and steel structures of the Batch Plant
- Design of the steel structures belonging to melting furnace and tin bath supports
- Design of the melting furnace and tin bath steel structures (melting – burners – regenerators – waist-working end – forehearth – melting walkways – steelwork – casing – tin bath walkways)

### **5. STOLBERG – Germany- year 1997**

- Design of the steel structures belonging to melting furnace and tin bath supports
- Design of the melting furnace and tin bath steel structures (melting – burners – regenerators – waist-working end – forehearth – melting walkways – steelwork – casing – tin bath walkways)

### **6. SOACHA - Colombia –years 1998-99**

- Complete design of the civil works and steel structures belonging to: Furnace building, Tin Bath building, Annealing Lehr building and Warehouse building
- Complete design of the plant steel stack
- Design of the steel structures belonging to melting furnace and tin bath supports
- Complete design of the civil works and steel structures of the Sand and Soda Ash building

### **7. QINGDAO – China – years 2003/04**

- Design of the steel structures belonging to melting furnace and tin bath supports
- Design of the melting furnace and tin bath steel structures (melting – burners – regenerators – waist-working end – forehearth – melting walkways – steelwork – casing – tin bath walkways)



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#### **8. CAPLA – Spain - years 2002/03**

- Complete design of the civil works belonging to Warehouse shed

#### **9. HERZOGENRATH – Germany - years 2002-03**

- Design of the steel structures belonging to melting furnace and tin bath supports
- Design of the melting furnace and tin bath steel structures (melting – burners – regenerators – waist-working end – forehearth – melting walkways – steelwork – casing – tin bath walkways)

#### **10. AUVELAIS - France– years 2006-07**

- Design of the steel structures belonging to melting furnace and tin bath supports
- Design of the melting furnace and tin bath steel structures (melting – burners – regenerators – waist-working end – forehearth – melting walkways – steelwork – casing – tin bath walkways)

#### **11. LEEDS (UK) – years 1999/2000**

- Complete design of the civil works and steel structures of the Batch Plant
- Fabrication and erection of all the steel structures and silos belonging to the Batch Plant

#### **12. DABROWA GORNICZA – Poland - years 2006/2007**

- Complete design of the civil works and steel structures for Batch Plant, cullet area, galleries and corner towers
- Design of the steel structures belonging to melting furnace and tin bath supports
- Design of the melting furnace and tin bath steel structures (melting – burners – regenerators – waist-working end – forehearth – melting walkways – steelwork – casing – tin bath walkways)

#### **13. PISA – Italy - year 2007/2008**

- Design of the steel structures belonging to melting furnace and tin bath supports
- Design of the melting furnace and tin bath steel structures (melting – burners – regenerators – waist-working end – forehearth – melting walkways – steelwork – casing – tin bath walkways)

#### **14. SOACHA – Colombia - years 2007-2008**

- Complete design of the civil works and steel structures belonging to: Furnace building, Tin Bath building, Annealing Lehr building and Warehouse building
- Design of the steel structures belonging to melting furnace and tin bath supports
- Design of the melting furnace and tin bath steel structures (melting – burners – regenerators – waist-working end – forehearth – melting walkways – steelwork – casing – tin bath walkways)



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#### **15. AIN EL SOUKHNA - EGYPT – year 2008**

- *Design of the tin bath steel structures ( steelwork – casing – walkways)*

#### **16. RENEDO - Spain – year 2008**

- *Complete design furnace and feeder refractory lining*
- *Design of the steel structures belonging to melting furnace and feeder supports*
- *Design of the melting furnace and feeders steel structures (melting – burners – regenerators – waist-working end – forehearth – melting walkways – feeders – feeders walkways)*

#### **17. CUAUTLA – Mexico - year 2010**

- *Design of the steel structures belonging to melting furnace supports*
- *Design of the melting furnace structures (melting – burners – regenerators – waist-working end – forehearth – melting walkways –)*

#### **18. DEGO (SV) – ITALY – years 2003-2004**

- *Design of the melting furnace and feeders steel structures (melting – burners – regenerators – waist-working end – forehearth – melting walkways – feeders – feeders walkways)*

#### **19. MANTOVA – ITALY – year 2004**

- *Design of the melting furnace and feeders steel structures (melting – burners – regenerators – waist-working end – forehearth – melting walkways – feeders – feeders walkways)*
- *Fabrication and erection of the steel structures belonging to the removable walkways generally used for crown maintenance, including the supporting structures.*

#### **20. JACAREI - Brazil – year 2010/2011**

- *Design of the steel structures belonging to melting furnace supports*
- *Design of the melting furnace structures (melting – burners – regenerators – waist-working end – forehearth – melting walkways)*

#### **21. PISA – Italy - year 2010**

- *Design of the steel structures belonging to melting furnace supports*
- *Design of the melting furnace structures (melting – burners – regenerators – waist-working end – forehearth – melting walkways)*
- *Supply, fabrication and erection of the steel structures supporting the furnace and the contouring structures.*



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## **22. CHENNAI - India - year 2011**

- *Design of the steel structures belonging to melting furnace and feeder supports*
- *Design of the melting furnace and feeders steel structures (melting – burners – regenerators – waist-working end – forehearth – melting walkways – feeders – feeders walkways)*

## **23. GAZZO VERONESE (VR) - Italy - years 2012/2013**

- Complete design of the steel structures belonging to FILTER, UTILITIES, EXHAUST DUCTS and HEAT EXCHANGERS
- Complete design of the steel STACK
- Design of the steel structures belonging to melting furnace and feeder supports
- Design of the melting furnace and feeders steel structures (melting – burners – regenerators – waist-working end – forehearth – melting walkways – feeders – feeders walkways)
- Fabrication and erection of all the designed steel members necessary for the new furnace installation (melting – burners – regenerators – waist-working end – forehearth – melting walkways – feeders – feeders walkways, including upper and lower ventilation ducts)

## **24. PISA – Italy - year 2014**

- *P&I of the whole ventilation circuit, design of main pipes and relevant supporting structures including design of the blowing vents – under execution*

## **25. DEGO (SV) – Italy - years 2014/2015**

- *Design of the steel structures belonging to melting furnace and feeder supports*
- *Design of the melting furnace and feeders steel structures (melting – burners – regenerators – waist-working end – forehearth – melting walkways – feeders – feeders walkways)*

## **26. SALAISE – France - years 2014/2015**

- Design of the steel structures belonging to melting furnace supports
- Design of the melting furnace structures (melting – burners – regenerators – waist-working end – forehearth – melting walkways)