



## **ASTRA International Engineering Ltd.**

**Project: Rehabilitation of Cristal glass factory , Samobor**  
(Ref list items: 18)

**Purchaser: Rogaska Cristal, Rogaska , Slovenia**  
**End user: Cristal , Samobor**

For the Client , Cristal glass factory, we have performed survey of complete old plant and proposed technical solution for revamping. Based on our proposal and following contract, we have obtained permits, designed all systems, delivered and install equipment for electrical power supply and drives , control and instrumentation, as well as systems for NLG , technical gases, heating and water supply.





### **LPG CONTROL PLANT**

Details of our scope:

Obtaining location and building permits for factory gas installation implementation

Main and detailed design, delivery and installation and start up of equipment for the power and gas plant of the glass furnace, capacity 12 t /day, as well as the equipment for the process control (SCADA) and measurement.

Basic design for obtaining location permit, main and detailed design of hydrogen plant, as well as supervision of hydrogen plant installation works

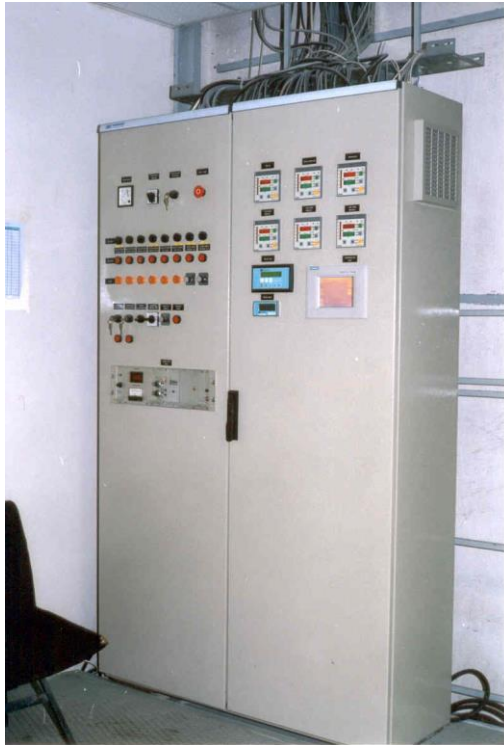
Supervision of compressor station installation works

Disassembly of existing equipment at the furnace and installation of new furnace equipments as well as start up of the furnace.

Disassembly of existing equipment at the boiler house, delivery of equipment installation of new boilers and pertaining installation

Obtaining system and plant certificates and working permits.

All works per contract were successfully handed over to the Client.



CONTROL PANEL – FURNACE



HYDROGEN PLANT



NEW BOILER HOUSE