



CARINOX - stainless steel plant

june 2002 - october 2005, Belgium (Charleroi)

PRIMARY



Construction of a completely new stainless steel plant for the production of stainless steel slabs from scrap and additions (ferro-alloys, metals,...)

The project includes the civil works, steel structures, equipment & automation, auxiliary plants as well as the infrastructure required (road and rail network, new site entrance,...)

IPS was involved during the project preparation phase and continues the mission during engineering and realisation phase.

Some project characteristics:

- 35.000 m³ structural concrete
- 10.000 t of structural steel
- 37.000 m² road network
- 5 km HT cable drawn to the site
- 14 km of pipeline
- Installed power capacity excl. furnace : 25 MVA
- Removed heat capacity : avg 100 MW, peak 200 MW

Product description

Output:

- Stainless steel slabs 30 t, 1 Mio tons/year
- 65 % ferritic, 35% austenitic
- Thickness 200 mm, width: 1000 1650 mm, length 5500 12000 mm

Principal project data

Construction of a stainless steel plant 1 Mio t / year

Including:

- Electric arc furnace, AOD converter
- Ladle treatment system
- Continuous slab caster
- Dust treatment plant
- 4 Slab grinding mills
- Water treatment plant
- Approx. 10.000 T steel structures
- approx. 35.000 m³ concrete
- HT supply distribution 150 kV/30 kV
- O₂, N₂, Ar gas pipeline (outsourced)
- Scrap and slag yard (outsourced)
- Road & rail network (approx.33.000m²)
- New site entrance

Scope IPS

- Overall, contractual and detailed time scheduling (tracking & coordination)
- Cost control
- Site safety coordination
- Supervision of civil works (engineering and site works)

- Project quality plan
- Preparation of various calls for bids
- Site Management

