Group - IPS
Industrial Projects Services

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# Revamp of Blast Furnace

CARSID, Belgium, 06/2004 - 12/2007

PRIMARY | PROJECT FEASIBILITY | PROJECT PREPARATION | PROJECT REALIZATION | BELGIUM

## Principal project data

**Revamping of blast furnace and auxiliaries**

- extend lifetime of BF4 in 15 years
- increase the average daily production of pig iron to 5500 t/day
- Increase the maximum daily production of pig iron 6000t/day

## Scope IPS

**Feasibility**

- Project definition/budget
- Overall time schedule

**Project Preparation**

- Engineering
- Layout

**Procurement**

**Project Management & Realisation**

- Coordination
- Cost control
- Project administration
- Health & Safety coordination

## IPS operational unit(s)

**Although the blast furnace shutdown was initially schedule for the 3rd quarter of 2007, the improvement finally took place several months in advance due to the critical conditions of the hearth.**

Main works:

- New skip bridge + winch and bell-less top improvement
- Mechanical revamping of the main blowing machine
- Cold repairing of the blast stoves and complete new checker and bottom grills for cowper
- New hearth
- Complete new runners and improvement of the cast hall dedusting installation
- Revamp of the dust catcher, new cyclone and new ring spalt element in the dust washer.
- Electricity and instrumentation

- Automation: new supervision system
- IPS Belgium sa

Project Timing:

- 06-12/ 2004: project definition and investment proposal
- 01/ 2005 - 06/ 2007: project preparation: technical specifications, procurement and order placement, engineering, manufacturing, supply of materials on site, ...
- 07-09/ 2007: blast furnace shutdown and revamping (standstill time from shutdown to blow-in of 93 days)
- 10-11/ 2007: project closing



