



CERES is one of the biggest miller in Belgium with a large variety of flour products. The flour products are available in bags or in large volumes. In order to further improve performance and flexibility, the CERES's main production site in Brussels expands its bulk storage and loading capacity.

The new storage silos and loading facility use the latest technology for mechanical and pneumatic transport in order to further improve performance and comply with sanitary regulations and security directives. Simultaneously, the loading equipment of the existing bulk stand is being revamped both electrically and mechanically.

The new technological equipments consist of:

- 28 steel silos of different volumes
- 4 vertical beams, anchored on pile foundations on supporting steel structures
- Pneumatic and vibrating extractors, pneumatic and mechanical transport
- Centralized and individual aspiration and filtration
- Weighbridge
- PCS7 based SCADA (Supervisory Control and Data Acquisition)

## New Flour Silos

CERES SA, Belgium, 10/2003 - 12/2004

FOOD AND BEVERAGES

PROJECT PREPARATION

PROJECT REALIZATION

BELGIUM



### Principal project data

Construction of a new bulk storage warehouse, including flour loading system for bulk transporters.

- Storage capacity: 670 tons
- Extracting speed: mechanically up to 60T/h, pneumatically up to 250 T/h

### Scope IPS

#### Project Preparation

- Project definition
- Basic layout
- Budget
- Environmental/ building permit
- Basic engineering
- Procurement and contracting

#### Project Realisation

- Time schedule
- Project administration
- Safety coordination
- Site management
- CE-certification

### IPS operational unit(s)

