

CRH Cement Works Ożarów, Poland



Client

Cementownia Ożarów

Value

€ 66 million / £44 million / US \$66 million

Schedule

May 1998 – December 1999

Assignment

Construction Management



The Cementownia Ożarów expansion project planned to increase the capacity of the existing two dry kiln lines in phases to a total of 12,200 tons per day.

The renovation of the plant made it energy efficient and more importantly environmentally-friendly satisfying new European standards and norms.

Phase 1 entailed the upgrading of the existing plant to kiln 2 increasing its capacity by 500 tons, to 3700 tons per day.

Phase 2 was a major investment, replacing kiln 1, increasing its capacity from 3200 to 8500 tons clinker production per day. Making it the largest single kiln capacity in Europe.

Phase 2 included:

- the construction of a new preheater tower (4 cyclone phases, twin string) over the existing kiln 1 whilst maintaining production
- New electrofilters and utility installations
- Short planned shut downs in production, allowed cooling tower modernisations to take place on both kiln lines.
- During a three month shut down of kiln 1 the existing preheater tower cyclones were demolished and the structure altered for the addition of a new calciner vessel
- Kiln 1 was replaced with a new shell, a tertiary air duct was added, the existing kiln planetary coolers were demolished and a new grate cooler air slid into position.