

Pilkington Sandoglass Sandomierz, Poland



Client

Pilkington Sandoglass Sp. zo.o

Value

€ 100 million / £ 66.6 million /
US \$100 million (construction)
€ 61 million / £41 million /
US \$61 million (equipment)

Area

40,000 m²

Schedule

September 1993 – June 1995

Assignment

Construction Management

Architect

Pilkington plc
Prochem S.A.



Bovis Lend Lease provided CM services to build Poland's first float glass plant for the joint venture company of Pilkington Sandoglass Sp zo.o. The plant is located in a medieval town 125 miles from Warsaw.

The project represented a total investment in Poland of US\$160 million with the Polish Government holding 30% of the shares, Pilkington 40%, together with an initial holding by the International Finance Corporation and the European Bank for Reconstruction and Development of 15% each.

Around US\$30 million was spent on goods and services in the Sandomierz area and during the two years of the contract, around 600 jobs were created on site.

Technology, detailed process design and foreign equipment were supplied by Pilkington's UK Engineering Division.

The plant was built adjacent to an existing sheet glass factory. The float glass line has a capacity of 140,000 tonnes a year compared with the existing sheet glass capacity of 106,000 tonnes.

A Polish company originally started the plant in the late 1970s. A partial steel skeleton and some groundworks were constructed, but the building needed to be modified to Pilkington's new plans to install a process line to produce high quality glass for the automotive and building industries.

The melting, forming, annealing and cutting line is approximately 300 meters long. Attendant ancillary rooms for plant control, services equipment and operator welfare were also provided.

The plant's design complies with the Polish authorities' stringent environmental requirements. The emission of nitrous oxides from the two float glass furnaces are less than the total emissions from the two existing glass tanks. A 120-meter chimney, 45 meters higher than previous chimneys, ensures that the ground level concentration of pollution from the gas emissions are lower than previous pollution.

The float furnace is highly fuel-efficient and uses natural gas. The plant is also designed to minimize noise emission, particularly at night.

The plant began producing glass in Autumn 1995.

