

Project

WALLOON BRANCH OF REPRODUCTION FORESTRY MATERIAL

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Architects

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Programme

The Forestry Branch situated at Marche-en-Famenne in the heart of the Ardennes Forest houses the treatment process of silviculture grains coming from the domains of the Walloon Region. It is essentially made-up of a workshop, a series of cold storage areas and a few offices and laboratories. The actual workshop is composed of a pre-drying zone, storage, and an area for treating grain. The irregular polygon shape of the site, timbered with beautiful oaks, made the choice of a compact ovoid.

OTHER PROJECTS :

Euro Space Center, Galaxia
- 2007 2009
- Transinne (Libin)

Princess Elisabeth Polar Station
- 2007 2008
- 72°S 23°E, Antarctique

SEAT of the EUROPEAN COUNCIL and
the EU COUNCIL
- 2005 2013
- Brussels

NMBS TRAIN STATION CANOPY
- 1999 2008
- Leuven

About

A framework of composed arcs, clamped at the edges in an apron of reinforced concrete, constitutes the structure which covers the whole building. Two secondary buildings are placed inside this shell along its longitudinal sides. They house the cold storage, the administrative rooms and small laboratories. They also help in supporting the arcs of the external structure. The central nave is reserved for large machines which treat and pre-dry grain. The building is covered with 1.691 large tiles of laminated reflecting glass.

The initial idea was to use fresh wood because of its capacity to relieve pre-bending stresses from constant curvature. The basic element of the structure is a double layered-arc composed of various rectangular pieces of wood, all between 6,14 and 6,21 meters long. The arc thus formed of circular segments approximates a funicular curve. Their axes are all implanted in radian plans forming a torus section. This is an economic design, since it requires a limited number of different wood sections.

Typology

Industry

Status

Built

Conception

1992

Delivery

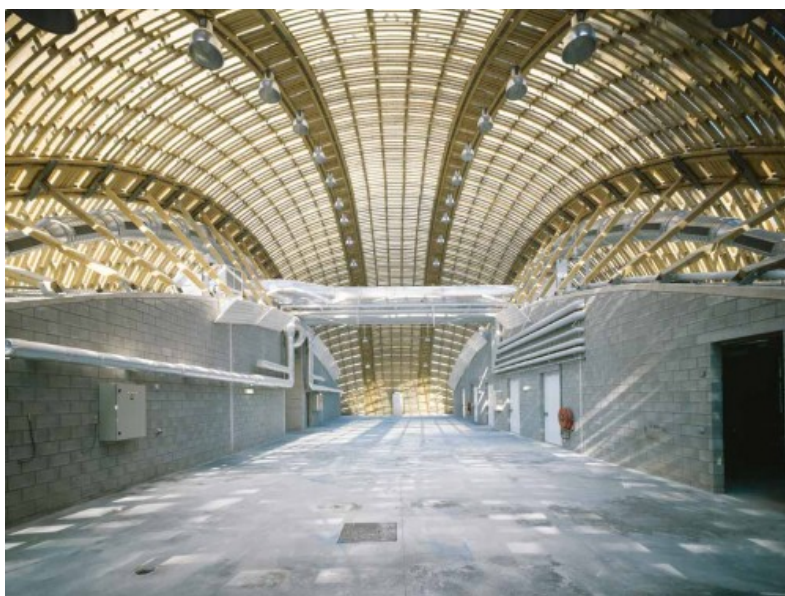
1995

Area

1.144



Project : Philippe SAMYN and PARTNERS PROJECT : Philippe SAMYN and PARTNERS / PHOTO : Daylight Liège sprl
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