



The start-up centre was developed as part of the North Rhine-Westphalia Eco-Centre on a former colliery site. The centre enables ecologically-oriented trades and service enterprises from the construction industry to rent office, warehouse and/or workshop space at low rents for a limited period. Up to twenty different companies can benefit from the synergy effects this offers.

The buildings are grouped round a courtyard and loading area, and the stand-alone office building forms one edge of the new arrangement. The offices and industrial buildings can be partitioned as required to react flexibly to the needs of these young enterprises. The thermal zoning within the units can be modified retrospectively, enabling, for example, unheated warehouse areas to be rezoned as fully-serviced workshop space as required.

Renewable raw materials and recycled materials (clinker bricks) were used in the construction. The ceiling slabs of the offices are of stacked-plank construction. The steel frames of the units are infilled with masonry of recycled stone from a nearby colliery. The timber roof modules of the units are insulated with recycled cellulose.

The units are heated by a warm-air heating system, with the air from outside drawn in either via a ground duct or a four-storey collector façade, depending on the outside conditions. The heat from the exhaust air is used to preheat the incoming air. Rainwater is used as grey water, e.g. for toilet flushing.

Start-up centre Hamm

Client

LEG Landesentwicklungsgesellschaft NRW GmbH, Dortmund

Architecture

HHS Planer + Architekten AG, Kassel

Structural engineering

Ing.- Büro Dr. Meyer, Kassel

Building Service

HLS-Planung IB Prof. Dr. Hausladen, Kirchheim

Planning and building dates 09/1996 - 04/1998

GFA / GV 5.380 m² / 20.000 m³

Construction sum 4,75 Mio. Euro

Annual heat consumption Storage 6 kWh / m²a
Workshop 28 kWh / m²a
Office 62 kWh / m²a

Awards

Architecture Prize „Architecture and solar thermal“ (1999)