

Culture and Construction for Future Generations – FEZ Berlin

FEZ Berlin is Europe's biggest non-profit centre for children, youth and families. It offers creative play, fun and recreational activities and integrates adventure, education and entertainment within its programme. FEZ offers unique educational programs with topics like: global learning, sustainable development, European and International education and culture. With 100,000 m² of outdoor and 13,000 m² of indoor space, the FEZ Berlin is the ideal place for a wide variety of events.

Project details

Construction year: built in 1979

Building properties: available floor area of the building: 34,992.50 m²

Owner: the State of Berlin, represented by the Senate Department for Education, Youth and Family Affairs

Operator: FEZ-Berlin KJfz-L-gBmbH

Renovations: flat roof renovation and an energy-efficient building envelope from 2012 to 2017

From 2010: planning of the energy-efficient renovation (the building envelope and the building's technical equipment)

- Construction funds were obtained from the Environmental Relief Programme (State and European funds)
- Main contractor the State of Berlin, represented by the Senate Department for Urban Development
- Project management: the District Office of Treptow-Köpenick in Berlin, "Building Construction" Section

From 2014: planning and implementation of a rainwater management concept

The objectives of the measures

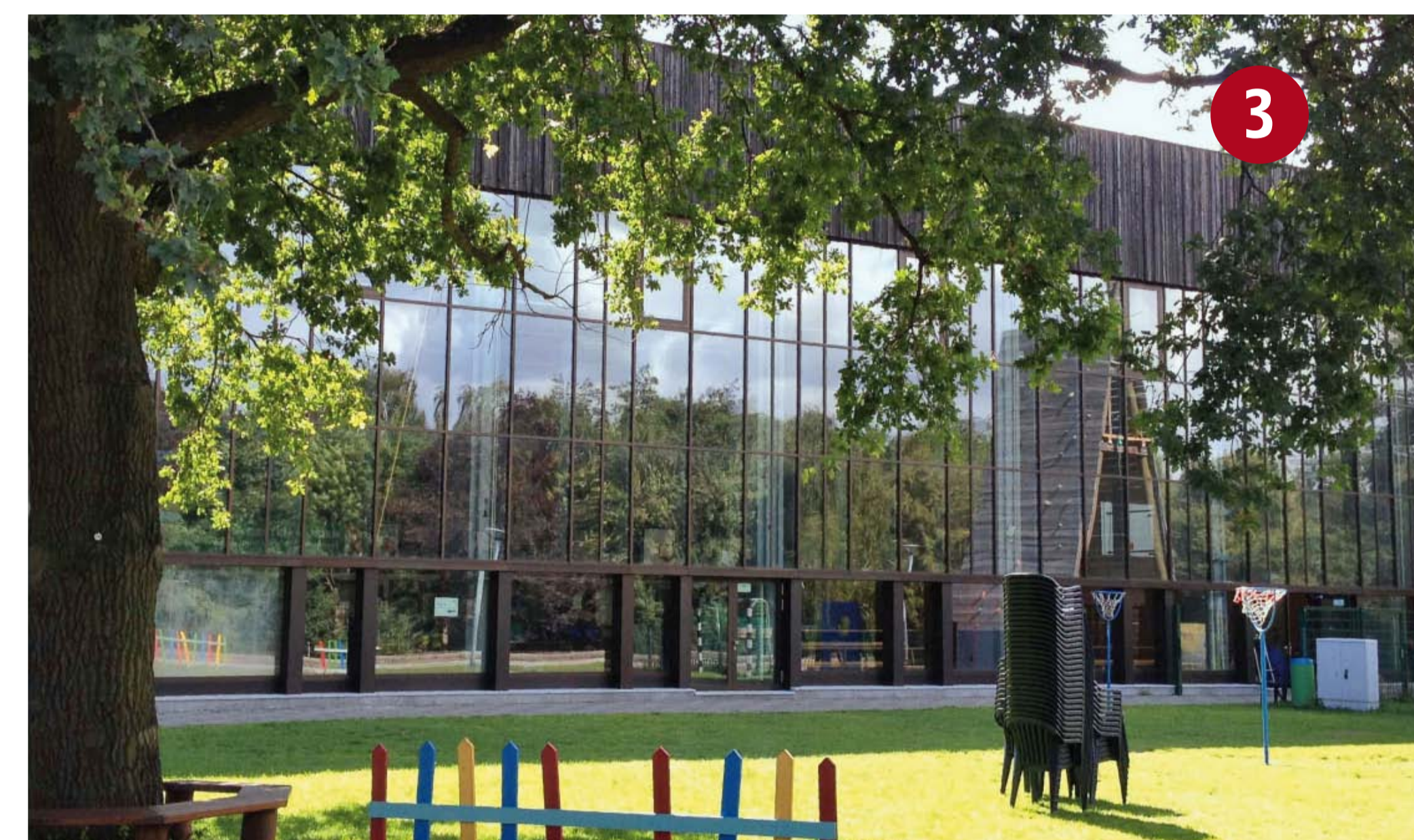
- Maintaining the site as the biggest non-profit centre for children, youth and families in Europe
- Developing the building complex more energy-efficient and thus, more cost-effective
- Preservation of the characteristic architectural appearance with high timber curtain facades
- Savings of around 70% of the timber construction by re-using large parts of the timber curtain facade
- A new solar energy system with a collector surface area of 60 m² for the heating of the swimming pool
- Renewal of the ventilation system for the swimming pool with a heat recovery system
- Measures for rainwater management: an innovative semi-natural water treatment system for the bathing lake
- Disconnection of the roof surfaces (13,200 m² for the main building) from the sewer system, to reduce its impact on the Berlin surface water system
- Collection, temporary storage and pre-purification of the roof water through a constructed wetland, to fill up the swimming lake
- Rainwater and swimming water purification by two reed filter systems, without using chemicals



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1 Bathing pond in FEZ – rainwater management

2 Bathing pond in FEZ – rainwater management

3 Energy-efficient construction

4 Energy-efficient construction



Further information:
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> **FEZ**
in Berlin-Köpenick