

# WHAT'S HAPPENING IN SAXONY & **UPPER AUSTRIA?**

*Cutting edge design to a low energy standard*

## **Church**

Location: Linz

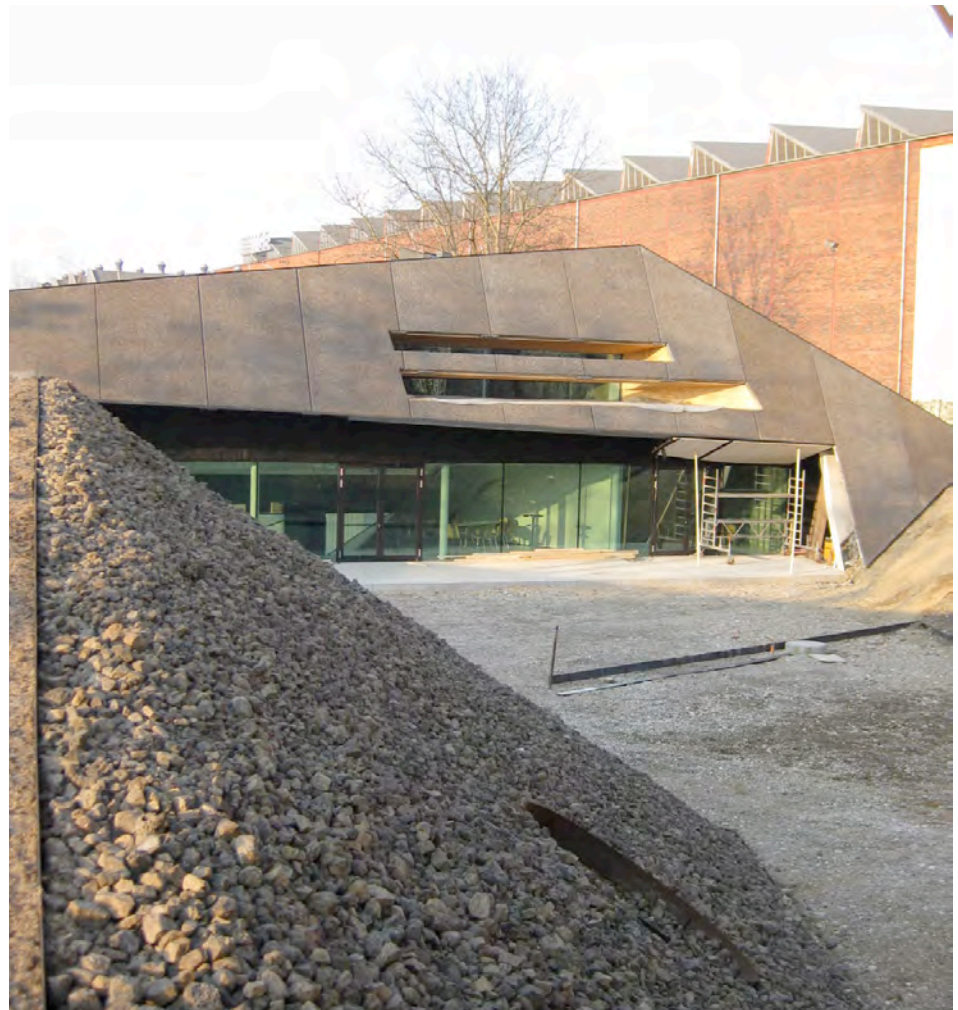
Building Type: Catholic church

Architect: xArchitekten

Year built: 2011

Size: 1000m<sup>2</sup>

Cost: 2.5M Euros



# Church

## Enclosure:

- Concrete panels of rock slag
- Green roof
- Triple glazed windows
- Little data available

## Mechanical System:

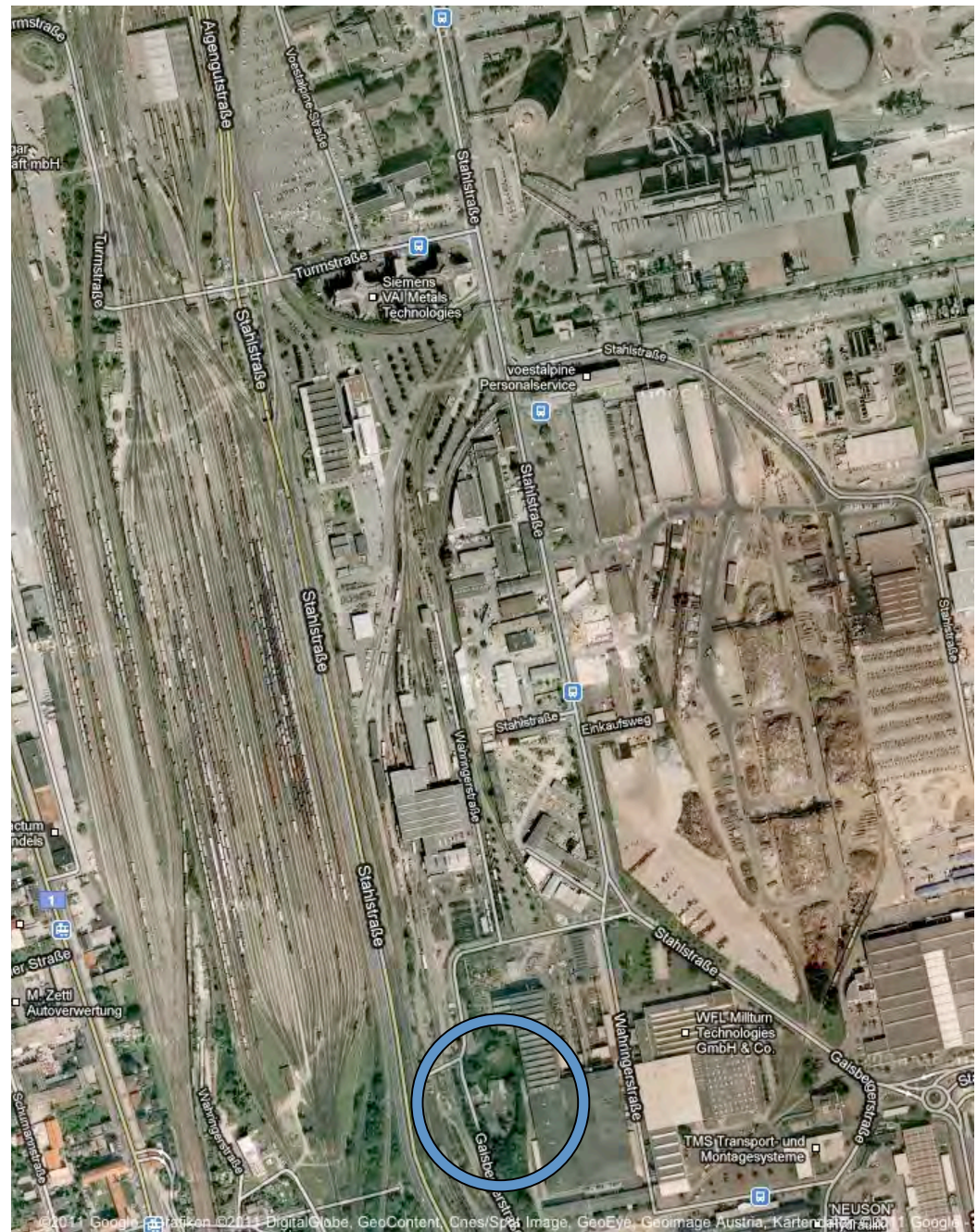
- Several HRV with heated water coil post heat
- Ground sourced heat pump with buffer tank via radiant floor
- Instantaneous electric hot water at point of use

## Design Energy Standard:

Austrian low energy standard  
25 kWh/m<sup>2</sup> A for heating

## Energy Use:

unknown at this time





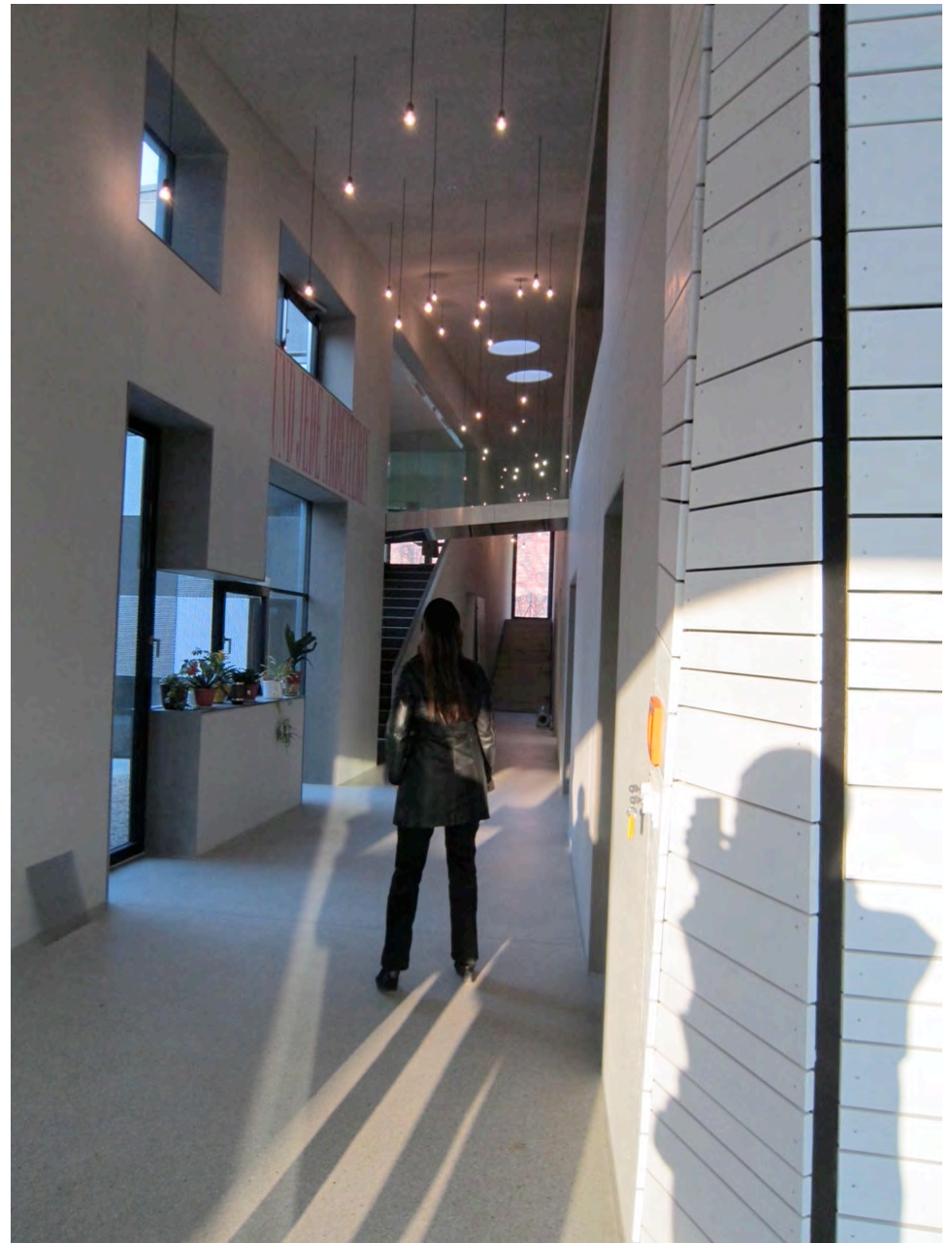
# Church

## Remarkable Features:

- Integration of ventilation into the slatted ceiling
- Very economical for high design
- Industrial context is engaged with a bold vision
- Havenlike courtyard

## Potential Issues:

- Glare at one room with reflective surfaces at the exterior sill





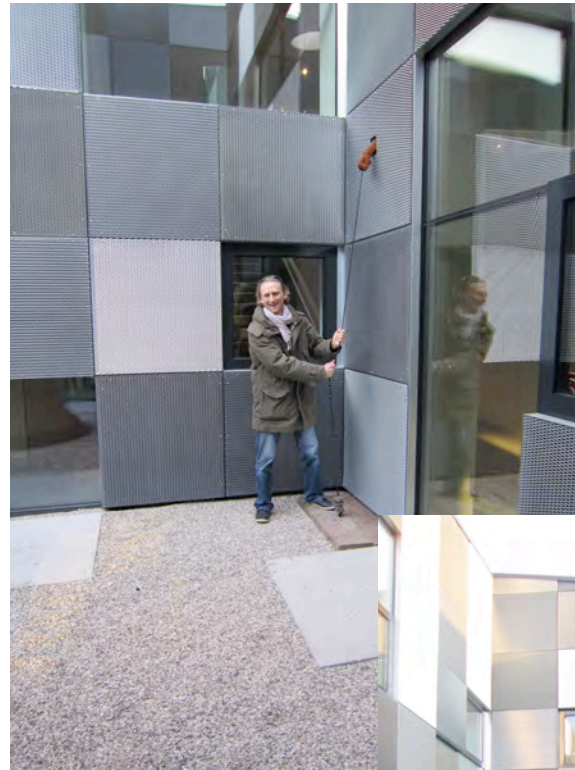
# Church





# Church

Courtyard awash in industry



# Church

x





# Church

Ventilation, lighting and audio integrated into the slatted ceiling and walls

Sunshading cables and crisp detailing



# Church

Not your grandmother's church...





# Church

Exceptional installation quality



# Church

