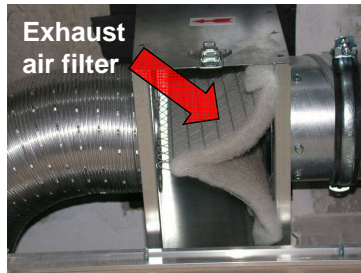


BUILDING SERVICES CONCEPT



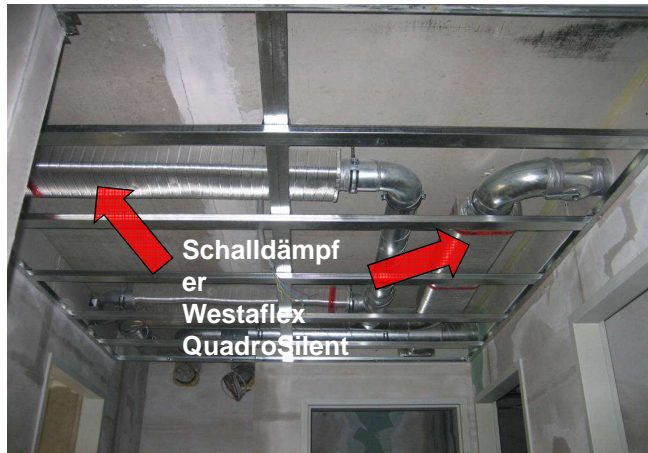
Kompaktlüftungsgerät

Cover for the filter change in the ceiling



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BUILDING SERVICES CONCEPT



Luftverteilung in abgehängten Decken

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FAMILY HOUSE PENKA

3911 Rappottenstein 34, NÖ

OBJECT DATA

| | |
|-------------------------|-------------------------------|
| Type: | New building of Passive House |
| Constructor: | Fam. Penka |
| Planung: | Treberspurg & Partner ZT GmbH |
| Completed: | 2000/2001 |
| Size: | 203 m ² |
| Heating energy demand : | 14 kWh/(m ² a) |
| Netto Building Costs: | ca. 24.000 EURO |

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Ventilation system mit earth collector, heat recovery and fresh air preheating unit

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Development



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HIGH SCHOOL HAIZINGERGASSE

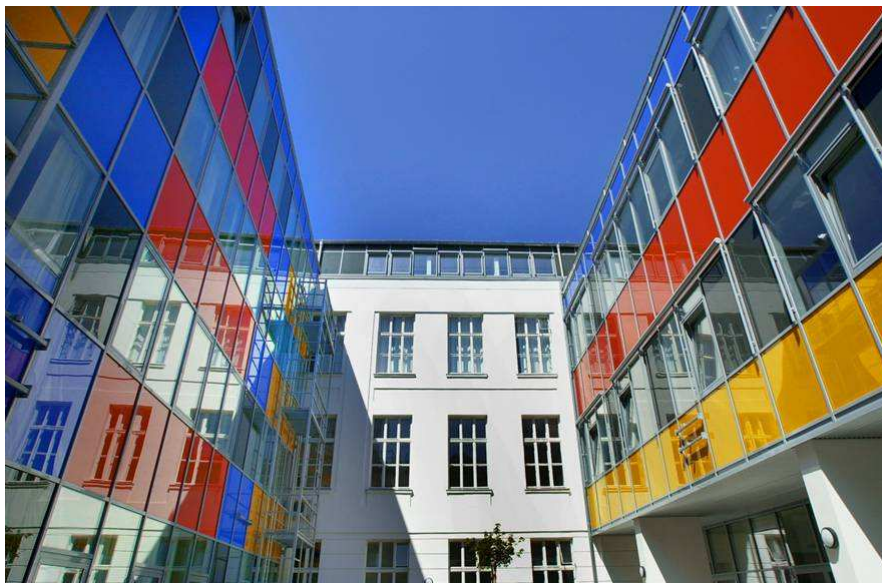
Hainzingerasse 37, 1180 Vienna
OLD BUILDING MODERNISATION – SCHOOL RECONSTRUCTION

1.808 m² before
4.986 m² after

OBJECT DATA

| | |
|-----------------------|---|
| Type: | School Building Reconstruction and Rebuilding |
| Constructor: | BIG GmbH |
| General Planning: | Treberspurg & Partner ZT GmbH |
| Completed: | 2000 |
| Dimension: | ca. 5.000 m ² |
| Netto Building Costs: | ca. 7,27 Mio. EURO |

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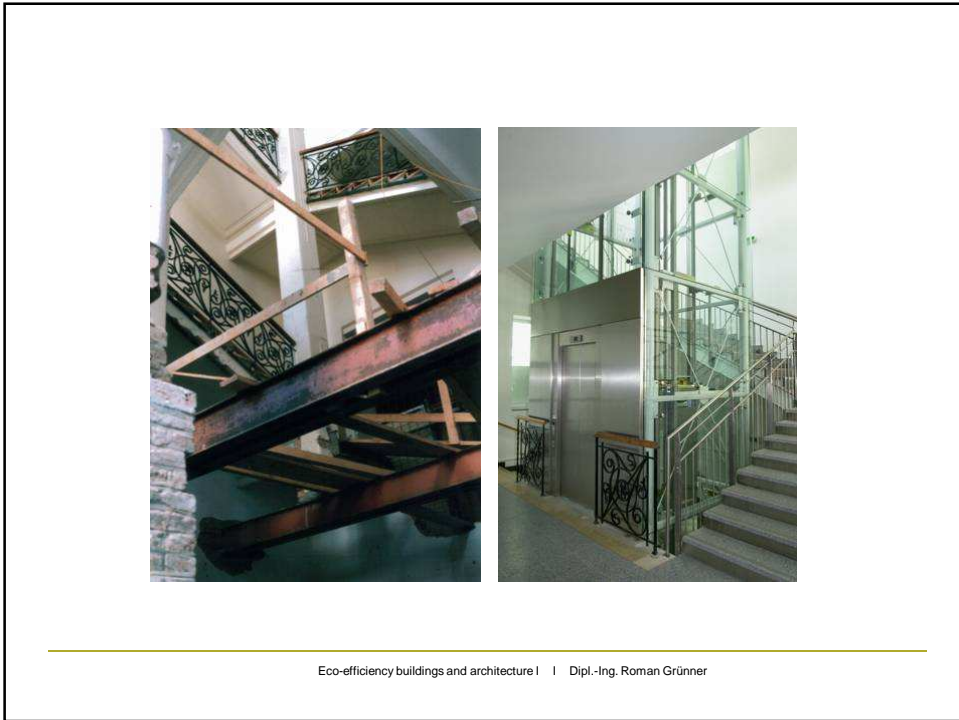
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MULTI-RESIDENTIAL BUILDING OSRAMGRÜNDE

Karl Heinz Street 67, 1230 Vienna
RESOURCES FOR CONCERN = WATER & ENERGY
GRAU WATER TREATMENT

OBJECT DATA

Town planning leading Project and Realisation of one building Part
Constructor : Vienna – Süd, gemeinn. Bau- und Wohnungsgen.
Planning: Treberspurg & Partner ZT GmbH (Building Part 1)
Arch. DI Eric Steiner (Building Part 2)
Atelier 4 (Building Part 3)
Completed: 1999
Größe: 18.485 m²
Dimension Building Part 1: 204 WE
Total: 519 WE
Netto Building Costs: ca. 40,7 Mio. EURO

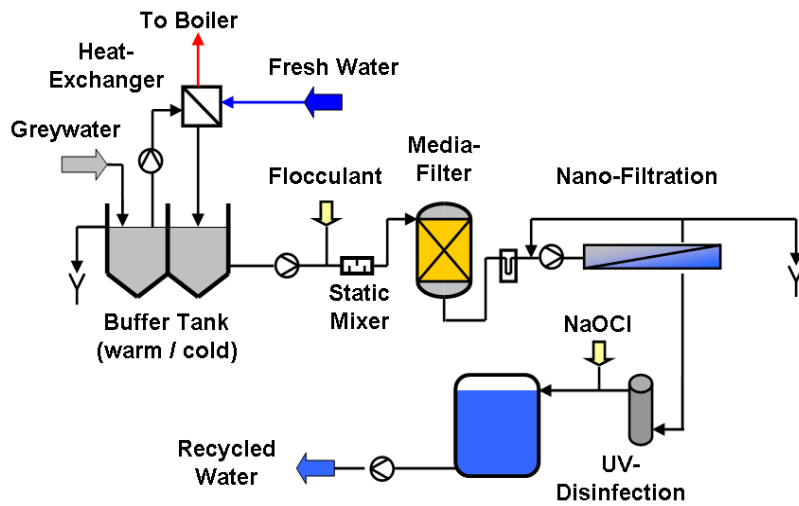
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Scheme of a processing plant:



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Menerga Heat Recovery from sewage Water
with automatic Heat-exchange Cleaning



Sand-multicoad Filter

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Switchboard for sewage Water Treatment
and UV Radiation



Nanofilter

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TERRACED HOUSE - NATURE NEARBY LIVING

Fred Raymondgasse 19, 1220 Vienna

OBJECT DATA

| | |
|------------------------|--|
| Type: | New Building of Terraced Houses |
| Constructor: | Stadt Vienna, MA 24 |
| General Planning: | Arch. DI Dr. Martin Treberspurg |
| Bauphysics: | DI Wilhelm Hofbauer |
| Completed: | 1996 |
| Dimension: | 4.300 m ² |
| Amount : | 41 accommodation units, 1 community centre |
| Heating energy demand: | 40 kWh/(m ² a) |
| Netto Building Costs: | ca. 5,23 Mio. EURO |

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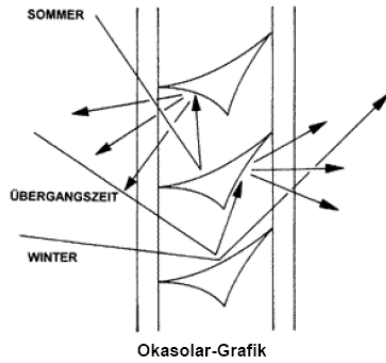


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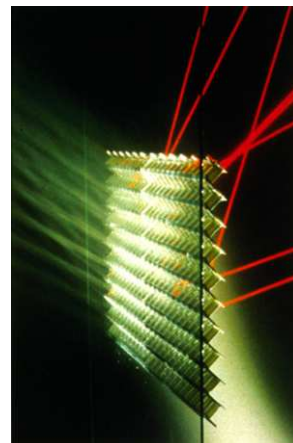
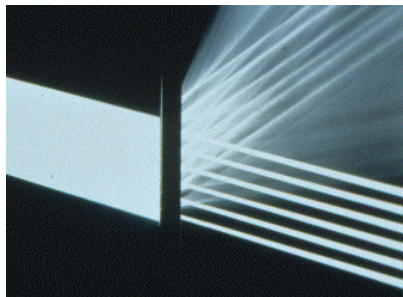
Sun windows



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Sun windows

Isoliergläser mit fest angeordneten Spiegelprofilen im Luftzwischenraum



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Example for sun window



Projektname:
Wohnhausanlage
"Naturnahes Wohnen"
Planung:
Treberspurg
Standort:
Wien 22
Bauherr:
Demonstrativprojekt
Naturnahes Wohnen
der Gemeinde Wien
Fertigstellung:
1996

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AM HIRSCHENFELD

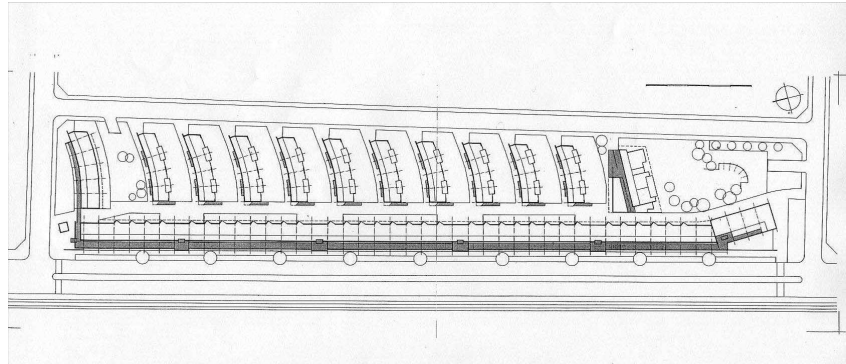
MULTI-RESIDENTIAL BUILDING
Brünner Straße 190, 1210 Vienna

OBJECT DATA

| | |
|------------------------|--|
| Type: | New building of Multi-family Houses |
| Constructor: | GESIBA, gemeinn. Siedlungs- und Bau AG |
| Planing: | Arge Architekten Reinberg - Treberspurg - Raith |
| Completed: | 1996 |
| Size: | 23.380 m ² |
| Amount: | 215 accomod. units, KIGA, pub, basement garage |
| Heating energy demand: | Line: 22 kWh/(m ² a), Houses: 35 kWh/(m ² a) |
| Netto Building Costs: | ca. 24 Mio. EURO |

Focus: Forerunner of passive house concept: mechanical ventilation system with heat recovery in Line, district heating

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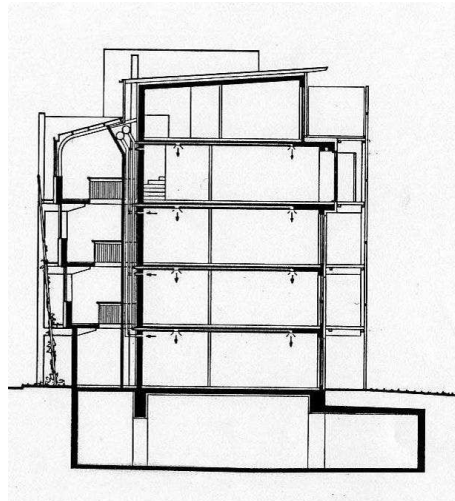
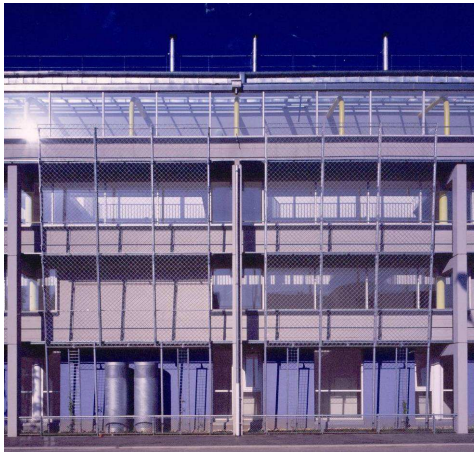
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WOHNHAUSANLAGE PFARRHOFGASSE Purkersdorf, NÖ, Fertigstellung: 2006



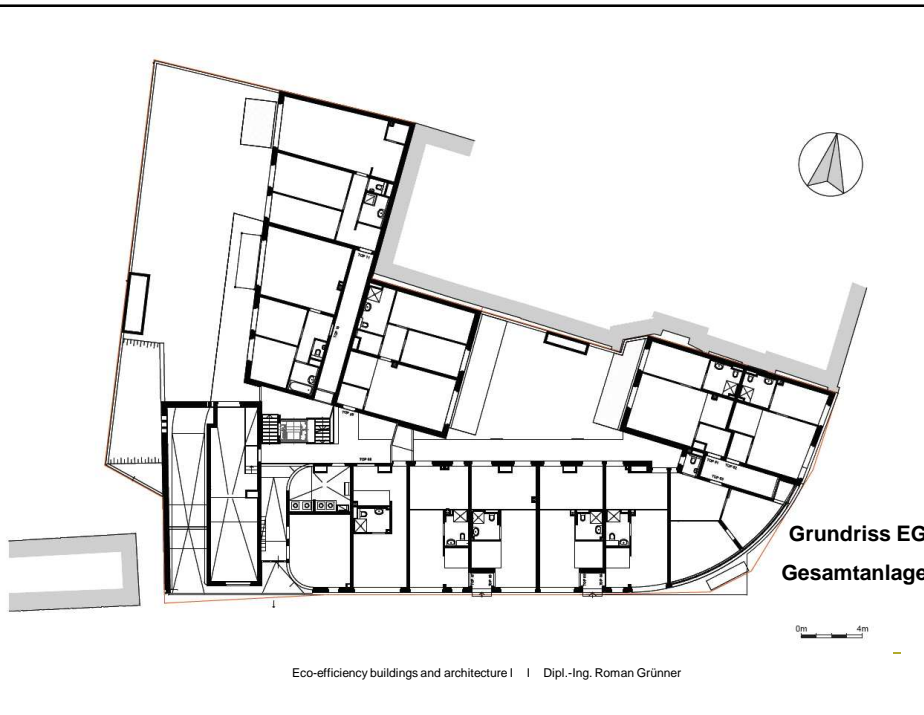
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OBJEKTDATEN

Objekt: 48 WE (davon 9 Seniorenwohnungen); Geschoßwohnbau + 1 Arztpraxis + Tiefgarage
Bauherr: GPA Wohnbauvereinigung für Privatangestellte, Wien
Planung: Treberspurg & Partner Architekten ZT GmbH, Wien
Fertigstellung: 2006
EKZ: 16 kWh/(m²a) gemäß OIB
Heizlast: 18 W/m² gemäß OIB
Luftdichtheit n₅₀: 0,45-0,95 /h
Lüftungsanlage mit dezentralen Kompaktlüftungsgeräten
NHK: 1.324 EURO/m² WNFL

Schwerpunkt: Wohnhausanlage in Niedrigenergiebauweise mit kontrollierter Be- und Entlüftungsanlage mit Wärmerückgewinnung. Wärmeversorgung über Nahwärme (Biomasse- Fernheizwerk Purkersdorf)

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WOHNHAUSANLAGE WITHALMSTRASSE
Wolkersdorf, NÖ, Fertigstellung 2006/07

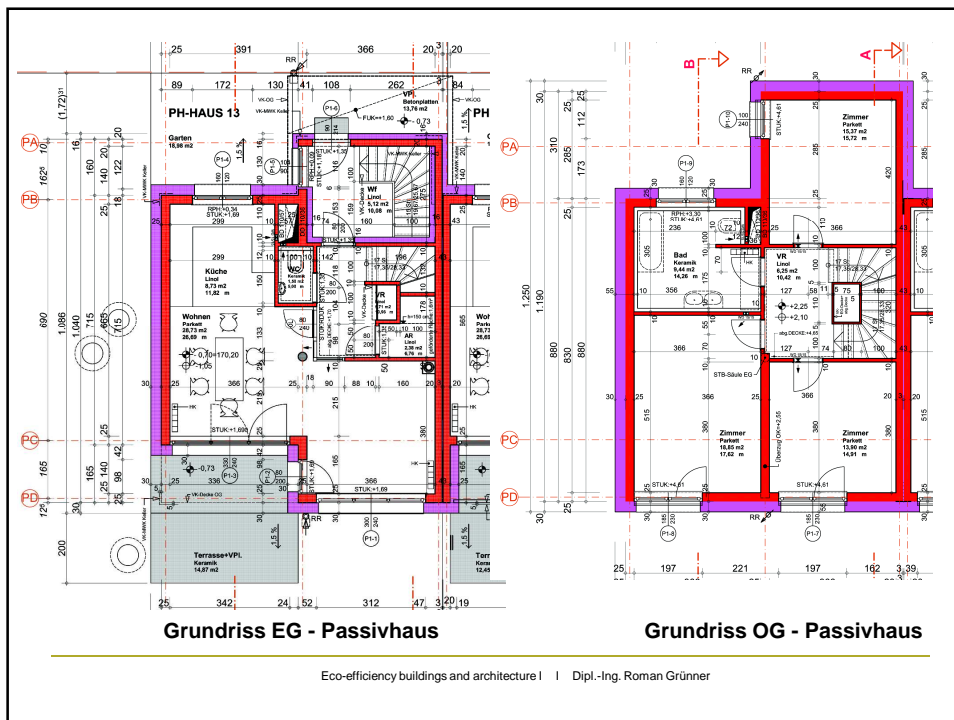
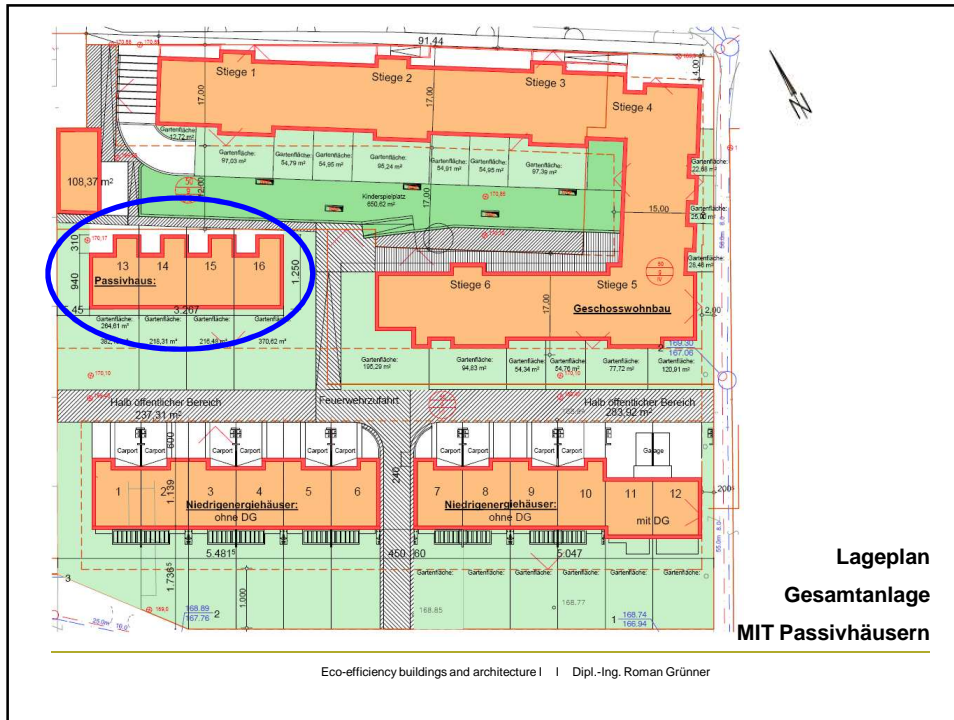
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OBJEKTDATEN

Objekt: 16 Reihenhäuser + 65 WE + Gemeinschaftsräume + Tiefgarage
Bauherr: Kamptal gemeinnützige Wohnbaugesellschaft GmbH, Horn
Planung: Treberspurg & Partner Architekten ZT GmbH, Wien
Fertigstellung: 2006/2007
EKZ: Reihenhäuser 21 kWh/(m²a), Geschoßwohnbau 11-21
kWh/(m²a) gemäß OIB
Heizlast: Reihenhäuser 19 W/m², Geschoßwohnbau 15-21 W/m² gemäß
OIB
NHK: ca. 1.500 EURO/m² WNFL

Schwerpunkt: Geschoßwohnbau in Niedrigenergiebauweise, Rückplanung
von 5 Reihenhäusern von Passivhaus- in
Niedrigenergiehausstandard

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Animation - Passivhaus

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