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2017

▪ Herbolzheim

New production hall and optimisation of the existing building ebm papst, estimated energy balance from the existing building, draft energy concept from the hall expansion, EnEV/German energy saving ordinance proof, planning and appraiser for KfW energy efficient building 55
Client: Vollack GmbH & Co. KG, Karlsruhe

▪ Karlsruhe

Socio-pedagogical institution to children and young people with disabilities, energy- and building concept, EnEV/German energy saving ordinance proof, noise protection proof
Architects: Sacker Architekten, Freiburg
Client: Reha-Südwest für Behinderte gGmbH, Karlsruhe

▪ Gengenbach/Reichenbach

New building of multiple-use-hall, EnEV/German energy saving ordinance proof, indoor acoustics, noise protection proof
Architects: Jochen Weissenrieder Architekten bda, Freiburg
Client: Bürgermeisteramt Gengenbach

▪ Offenburg

New construction of an tax office, building physics, building acoustics, indoor acoustics
Architects: harter + Kanzler Freie Architekten, Freiburg
Client: Vermögen und Bau Amt Karlsruhe

▪ Schönau

New construction of an office building with multiple-use-hall Netzkauf EWS GmbH, energy- and building concept, EnEV/German energy saving ordinance proof, KfW expert services, indoor acoustics, noise protection proof
Architects: harter + Kanzler Freie Architekten, Freiburg
Client: Netzkauf EWS GmbH e.G., Schönau

▪ Kirchheim-Teck

Residential building with 5 multi-family houses and underground garage, noise protection proof
Architects: k:ay architekten, Stuttgart
Client: Meco GmbH, Frickenhausen

▪ Umkirch

New building of a nursing home, energy- and building concept, EnEV/German energy saving ordinance proof, planning and appraiser for KfW energy efficient building 55, noise protection proof
Architects: Huller+Scheld Architekten, Freiburg
Client: IFB – Klotz und Partner, Freiburg

▪ March

Reconstruction and extension of an community school, energy- and building concept, examination funding possibilities, EnEV/German energy saving ordinance proof, planning and appraiser for KfW energy efficient building 55/70, noise protection proof
Architects: hotz + architekten PartGmbH, Freiburg
Client: Gemeindeverwaltung March

▪ Hofstetten

Reconstruction and extension Gasthaus Biereck, energy- and building concept, EnEV/German energy saving ordinance proof, building physics, component-related consulting, internal noise protection proof, indoor acoustics
Architects: Harter + Kanzler Freie Architekten, Freiburg

▪ Gottmadingen

New construction school, energy- and building concept, EnEV/German energy saving ordinance proof, dynamic building simulation, building physical consulting, building physics, indoor acoustics and noise protection proof
Architects: hotz + architekten PartGmbH, Freiburg
Client: Gemeinde Gottmadingen

▪ Leonberg

New construction of administration building, energy- and building concept, dynamic building simulation, EnEV/German energy saving ordinance proof, KfW expert services, building physics, noise protection proof, indoor acoustics
Architects: Sacker Architekten, Freiburg
Client: LEWA GmbH, Leonberg

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2016

▪ Berlin

New construction of administration building Quartier am Salzufer, dynamic building simulation, EnEV/German energy saving ordinance proof, building physics, indoor acoustics, noise protection proof, auditing quality seal "Sustainable Building" DGNB, daylight simulation, life cycle analysis LCA, life cycle cost LCC, building material consulting, proof therm. comfort

Architects: Rothweiler Architekten, Freiburg
Client: FRI GbR und IKF GbR, Freiburg

▪ Merzhausen

New building nursery school Johannesgemeinde, EnEV/German energy saving ordinance proof, indoor acoustics

Architects: Helmut Schlegel freier Architekt, Simonswald
Client: Evangelische Kirchenverwaltung, Freiburg

▪ Gundelfingen

New construction family house for seniors - „Bossertgarten“, EnEV/German energy saving ordinance proof, noise protection proof

Architects: Werkbau Architektur P. Mugele, Esslingen
Client: SF Bau Moser GmbH, Merzhausen

▪ Freiburg

New building triple sports hall Freiburger Turnerschaft, dynamic building simulation, EnEV/German energy saving ordinance proof, heat insulation proof with thermal building simulation, day light simulation

Architects: Architekturbüro Richard Kramer, Freiburg
Client: Freiburger Turnerschaft von 1844 e.V.

▪ Bötzingen

New building SMP Headquarter as office- and administration building, energy- and building concept, EnEV/German energy saving ordinance proof

Architects: Schmidt Planungsgesellschaft mbH, Kenzingen
Client: SMP Deutschland GmbH

▪ Pullach

Thermal building simulation Linde AG

Architects: a+p Architekten, München
Client: Linde AG, München

▪ Müllheim

Energetical restoration staff accommodation Robert Schumann casern, EnEV/German energy saving ordinance proof, building physics

Client: Staatliches Hochbauamt, Freiburg

▪ Freiburg

Energetical restoration college of education 2 PH KG2, energy consulting, building physics

Client: Vermögen und Bau BW, Freiburg

▪ Ehrenkirchen

Residential development Winzergarten, EnEV/German energy saving ordinance proof, noise protection proof

Architects: Höfler & Stoll Architekten, Heitersheim
Client: Koch Wohnbau GmbH, Merzhausen

▪ Weisweil

Community building Weisweil, dynamic building simulation, EnEV/German energy saving ordinance proof, building physics, indoor acoustics

Architects: Erny + Herzog Architekten, Rust
Client: Evangelische Kirchengemeinde, Weisweil

▪ Freiburg

EnEV/German energy saving ordinance proof and noise protection proof for the residential accommodation Wiesentalstraße

Architects: rolfdisch Solararchitektur, Freiburg
Client: Rolf Disch, Freiburg

▪ Freiburg

Energy efficiency analysis of existing building for the Kaiser-Joseph-Str. 209

Client: dm-drogerie markt GmbH + Co. KG, Karlsruhe

▪ Freiburg

Energy supply concept FWTM new building Messe Freiburg

Client: Freiburg WirtschaftTouristik und Messe GmbH & Co.KG, Freiburg

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2015

▪ Freiburg

Moser Block F, Freiburg, EnEV/German energy saving ordinance proof, building physics, noise protection proof

Architects: Werkbau Architektur P. Mugele, Esslingen
Client: SF Bau Moser GmbH, Merzhausen

▪ Stuttgart

New construction Faculty of Engineering, Stuttgart, coordination sustainable construction (BnB)

Architects: 3XN Architekten, Kopenhagen
Client: Vermögen und Bau Baden Württemberg, Amt Schwäbisch Gmünd

▪ Freiburg

New technical center and refurbishment Building B of the main fire station in Freiburg, EnEV/German energy saving ordinance proof, indoor acoustics, building physics

Architects: Planungsgruppe Gesting Knipping de Vries, Bremen
Client: Stadt Freiburg Gebäudemanagement

▪ Karlsruhe

Dynamic building simulations after the completion of the Federal Constitutional Court in Karlsruhe

Architects: Ingenieurbüro Lennerts, Karlsruhe
Client: Staatl. Hochbauamt, Karlsruhe

▪ Augsburg

Conversion / extension Headquarters Lechwerke Augsburg, thermal building simulation

Client: Lechwerke AG, Augsburg

▪ Merzhausen

New construction of a nursery school, St. Gallus, proof for summery heat insulation, building physics, indoor acoustics

Architects: Werkgruppe Freiburg
Client: Kath. Kirchengemeinde Merzhausen

▪ Offenburg

New construction of administration building and renovation existing Firma Markant, Energy- and building concept, EnEV/German energy saving ordinance proof, indoor acoustics, consulting renovation concept

Architects: Lehmann Architekten, Offenburg
Client: Markant Handels- und Service GmbH, Offenburg

▪ Freiburg

New Multi-functional-building Autohaus Martin, EnEV/German energy saving ordinance proof, building physics, consulting indoor acoustics, noise protection proof

Architects: geis & brantner freie architekten bda, Freiburg
Client: Allmend Verwaltungsgesellschaft mbH, Bötzingen

▪ Freiburg

New construction of Clinic for children and adolescents, building physics, indoor acoustics, architectural acoustics, Auditing quality seal "Sustainable Building" DGNB

Architects: Health Team Vienna, Wien
Client: Vermögen und Bau BW, Amt Freiburg

2014

▪ Freiburg

Gutleutmatten new Building of the Freiburg City, KfW efficiency house 55 - energetic professional planning and construction supervision, EnEV-proof, thermal building physics, indoor acoustics, sound insulation-proof, blower door measurements

Architects: Melder + Binkert, Freiburg, Stefan Forster Architekten, Frankfurt
horbach generalplaner gmbh, Freiburg
Client: Freiburger Stadtbau, Freiburg

▪ Kirchzarten

New production building of FSM AG in Kirchzarten, EnEV/German energy saving ordinance proof

Architects: Centraplan Architekten Planungsgesellschaft mbH, Kirchzarten
Client: FSM AG, Kirchzarten

▪ Amberg-Sulzbach

New building Jura workshop in Amberg-Sulzbach, dynamic building simulation, EnEV/German energy saving ordinance proof

Architects: H+F Architekten GmbH, Amberg
Client: Jura-Werkstätten e. V., Amberg

▪ Freiburg

Expansion Pestalozzi School cafeteria, Freiburg, energy requirement pass

Architects: Spiecker und Sautter, Freiburg
Client: Stadt Freiburg, Gebäudemanagement



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2014

▪ Freiburg-St. Georgen

Renovation Stubeareal, energy concept, EnEV-proof, building physics, indoor acoustics, blower door measurement, infrared thermography

Architects: Sutter Projektentwickler, Kirchzarten

Client: Stadt Freiburg Planungsamt

▪ Binzen

Renovation commercial building Binzen, energy concept, EnEV-proof, building physical planning services

Architects : Zeller / Eisenberg Architekten GmbH, Freiburg

Client: Resin leasing, Binzen

▪ Monheim

Daycare St.Gereon, Monheim, energy concept, EnEV-proof, building physics, indoor acoustics, noise protection proof

Architects: neubighubacher, Köln

Client: Katholische Kirchengemeinde St. Gereon und Dionysius, Monheim

▪ Bruchköbel

SMG headquarters Construction of an office and a guest house, energy and building concept, EnEV-proof, dynamic building simulation, sound insulation and indoor acoustics

Architects: Schmidt Architekten, Kenzingen

Client: MSSL GmbH, Gelnhausen

▪ Kehl

Energy renovation of Tulla-Realschule, Kehl, energetic building concept, energy concept, EnEV/German energy saving ordinance proof, building physics, indoor acoustics, noise protection proof, dynamic building simulations

Client: Gebäudemanagement Stadt Kehl

▪ Forchheim

New construction of an community centre, energy and building concept, EnEV/German energy saving ordinance proof, building physics, indoor acoustics, dynamic building simulation, u-value measurement, infrared-thermography

Architects: Spiecker und Sautter Architekten, Freiburg

Client: Gemeinde Forchheim

▪ Offenburg

Renovation and extension of Mensa FH, Offenburg, EnEV/German energy saving ordinance proof, noise protection proof, building physics, indoor acoustics, dynamic- and daylight simulation

Architects: Herrmann + Bosch Architekten, Stuttgart

Client: Vermögen und Bau, Baden-Württemberg

▪ Freiburg/Schauinsland

Building physics consultant for the new construction measuring station on Schauinsland

Architects: Staatl. Hochbauamt, Freiburg

Client: Bundesanstalt für immobilienaufgaben, Bonn

▪ F-Paray-le-Monial

Renovation and extension from 12 apartments in Paray-le-Monial, Frankreich, building physics, passive house projecting PHPP

Architects: rolfdisch SolarArchitektur, Freiburg

Client: SCI Sous le soleil exactement, Paray-le-Monial Frankreich

▪ Freiburg

Student dormitory Händelstraße, Freiburg, KfW efficiency house 55, EnEV-proof, blower door measurement, building physics

Architects:: ABMP Amann Burdenski Munkel Preßer, Freiburg

Client: Studentenwerk Freiburg

▪ Freiburg

Extension of Pharmaceuticals, Freiburg, energy- and building concept, analysis opportunities for subsidies, EnEV/German energy saving ordinance proof

Architects: maier.lenz architektur, Freiburg

Client: Josef Künle, Freiburg

▪ Freiburg

Creation of the energy pass, evangelical Diakonie-Hospital

Architects: Dietzig Architekten, Lörrach

Client: Evang. Diakoniekrankenhaus, Freiburg



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2013

▪ Garching

ESO Supernova, new construction of institute building, audit of the DGNB-certification, life cycle assessment LCA, life cycle costing LCC, indoor acoustics, noise protection proof, construction material consulting harmful substances

Architects: Bernhardt + Partner, Darmstadt

Client: ESO Headquarters, Garching

▪ Heidelberg

New construction of FUU Campus Heidelberg, passive house planning / design, thermal insulation certificate, EnEV/German energy saving ordinance

Architects: Bernhardt + Partner, Darmstadt

Client: Kreer Ingenieure GmbH, Bad Honnef

▪ Freiburg-Hochdorf

Extension factory building, EnEV/German energy saving ordinance proof, energy- and building concept

Architects: Sacker Architekten, Freiburg

Client: Life Food GmbH, Freiburg

▪ Offenburg

Business school Offenburg, building physics and energetical consulting, ventilation conception, concept Atrium

Architects: Lehmann Architekten, Offenburg

Client: Landratsamt Ortenaukreis

Gebäudemanagement, Offenburg

▪ Saarlouis

Ford-High-rise-building, building physics

Client: IZESg GmbH, Saarbrücken

▪ Freiburg

New construction of a residential block (Campus III) energy requirement pass, planning KfW energy-efficient building 55, construction supervision as KfW-consultant

Architects: Amann Burdenski Munkel, Freiburg

Client: Studentenwerk Freiburg

▪ Dossenheim

New construction of institute building Julius-Kühn-Institut, energy supply concept, buildings energetic optimisation and EnEV/German energy saving ordinance proof, noise protection proof, building physics, indoor acoustics

Architects: hotz + architekten, Freiburg

Client: Staatl. Hochbauamt HBA Heidelberg, Heidelberg

▪ Freiburg

Energetical restoration of three Residential blocks and a building extension, EnEV/German energy saving ordinance proof, concept for the energy renovation, KfW energy-efficient building 70, planning KfW energy-efficient building 70, noise protection proof, building physics

Architects: architekt werner sandhaus, Freiburg

Client: Freiburger Stadtbau GmbH, Freiburg

▪ Karlsruhe/Durlach

New construction of an apartment- and commercial building, energy concept, construction supervision as KfW-consultant, thermal building consultant / building physics, passive house projecting, blower-door-measurement

Architects: rolfdisch SolarArchitektur, Freiburg

Client: Blumen Rausch, Karlsruhe Durlach

▪ Elzach

Nursery school, indoor acoustics, noise protection proof

Architects: Harter + Kanzler Freie Architekten Freiburg

Client: Gemeindeverwaltungsverband Elzach

▪ Emmendingen

New construction of a clinic, Emmendingen, dynamic building simulations with TRNSYS

Architects: Conrad + Conrad, Freie Architekten BDA, Lahr

Client: Zentrum für Psychiatrie, Emmendingen



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2012

- Freiburg
Energy concept for the Robert Bosch College Kartaus Freiburg
 Architects: Peter Kulka Architektur (architecture office), Cologne GmbH
 Client: Robert Bosch Trust foundation GmbH
- Bad Krozingen
Energy concept and building physics consultant for the new construction of the Chirurgie2 Herz-Zentrum (Surgery2 Heart Centre)
 Architects: Architekturbüro Ruch (architecture office), Bad Krozingen
 Client: Heart Centre, Bad Krozingen
- Rottweil
High-rise renovation, energy performance certificate
 Client: STRABAG Property and Facility Services GmbH, Osnabrück
- Freiburg
New construction of laboratory building IAF, energy performance certificate and dynamic thermal simulation
 Architects: Rapp OTB AG, CH Basel
 Client: Fraunhofer Gesellschaft, München
- Saarlouis
New construction of a provident bank, dynamic thermal simulation
 Architects: bhk architekten gmbh, Saarlouis
 Client: IZES gGmbH, Saarbrücken
- Freiburg
New construction of a residential block (Campus II) building physics consultant, energy performance certificate, indoor acoustics, noise control proof
 Architects: Amann / Burdenski / Munkel Architects, Freiburg
 Client: Studentenwerk Freiburg
- Freiburg
Roof renovation of the Freiburg theatre
 Architects: Adrian & Partner, Stuttgart
 Client: Freiburg Theatre, technical management
- Freiburg
Phytolaboratory viniculture institute, dynamic thermal simulation, energy performance certificate, building physics
 Architects: Zeller, Eisenberg Architects, Freiburg
 Client: Vermögen und Bau Baden-Württemberg
- Emmendingen
Dynamic thermal simulations and design of natural ventilation for a multi – purpose hall
 Architects: Dietmar Polidori free Architect, Freiburg
 Client: Große Kreisstadt Emmendingen
- Wiesbaden
Restructuring / redevelopment of office building (Handwerkskammer), energy concept
 Client: Handwerkskammer Wiesbaden
- Offenburg
Renovation building “Kronenwiese”, energy and building concept, simulation, energy requirement pass, building physic consulting, acoustics and noise protection consulting
 Architects: Harter&Kanzler, Freiburg
 Client: Burda GmbH, Offenburg
- Binzen
Restoration christian assembly location, calculation of thermal power requirement, evaluation of economic efficiency, blower-door-test
 Client: Christliche Meditationsstätte Sonnenhaus Beuron – Eine Welt – Beuron
- Freiburg
New construction care home for senior citizens „Marga-Sauter-Haus“ Freiburg, energy concept, EnEV/German energy saving ordinance proof-residential building, construction supervision KfW-energy-efficient building, building physics, noise protection proof, dynamic building simulation
 Architects: Lehmann Architekten, Offenburg
 Client: Stiftungsverwaltung, Freiburg

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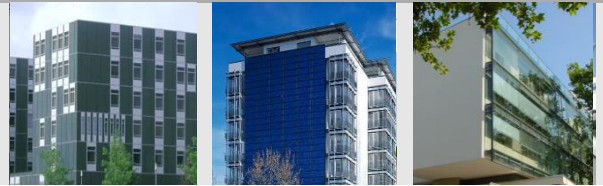
2011

- Cologne
Study Service Centre, optimisation of illumination and convenience
 Architects: Schuster Architekten, Düsseldorf
 Client: City of Cologne
- Günzburg
New construction of a service centre, EnEV, dynamic building simulation
 Architects: Scherr + Klimke
 Client: AL-KO Kober AG, Kötz
- Heidelberg
Energy concept and construction physical services for the new construction of the Mathematikon
 Architects: Bernhardt + Partner, Darmstadt
 Client: Klaus Tschira Trust foundation, Heidelberg
- Freiburg
Indoor acoustics for the Einsegnungshalle at the main cemetery
 Architects: Architekturbüro Preiß (architecture office), Sexau
 Client: City of Freiburg, cemeteries department
- Ludwigsburg
Apartment blocks at Sonnenberg, KfW energy-efficient building 40
 Architects: A. Häußermann-Fischer, Leingarten
 Client: Pommer Massivbau GmbH, Neckarsulm
- Hamburg
Spreehafenthalbinsel (Spree harbour peninsula), EnEV, thermal, hygric and acoustic structural physics
 Architects: Planungsgruppe Gesting, de Vries, Wurster und Partner, Bremen
 Client: Hamburg Port Authority, Hamburg
- Freiburg
Office building at Postareal Block D, energy optimisation, EnEV, noise protection
 Architects: Mugele, Esslingen
 Client: Moser GmbH, Merzhausen
- Freiburg
High-rise Binzengrün 9, d e n a Modellprojekt, Effizienzhaus Plus, KfW energy-efficient building 55, Freiburger Effizienzhausstandard 40
 Architects: Siedlungswerkstatt GmbH, Konstanz
 Client: Freiburger Stadtbau GmbH

2010

- Freiburg
Living in Sternwald, CO₂ neutral energy concept
 Architects: Rothweiler Architekten Freiburg
 Client: Baugenossenschaft e.G. Freiburg (Housing association)
- Saalfeld
Thüringen Kliniken overall energy concept
 Client: District of Saalfeld-Rudolstadt
- Lörrach
CO₂ neutral energy concept for 4 apartment blocks
 Architects: Thoma.Lay.Buchler.Architekten, St. Blasien
 Client: Wohnbau Lörrach
- Plovdiv
CO₂ neutral energy concept for a consumer market
 Client: METRO, Düsseldorf
- Rheinfelden
New construction of administration building energy service – seal of approval for "Sustainable construction" DGNB in Platin -
 Architects: Nissen & Wentzlauff Architekten BSA SIA AG, Basel
 Client: Moser GmbH, Merzhausen
- Hamburg
Energy optimisation, dynamic and fluid dynamic simulations for a store
 Architects: Ganter, Waldkirch
 Client: Ganter, Waldkirch
- Mannheim
Energy optimisation of a laboratory building
 Client: Roche Diagnostics GmbH
- Karlsruhe
CO₂ neutral energy concept for a school extension
 Architects: Hotz Architekten, Freiburg
 Client: City of Karlsruhe
- Freiburg
Plus energy concept for the nursery school Urachstraße
 Architects: Boos+Giringer, Renchen
 Client: City of Freiburg

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2009

- Pforzheim

CO2 neutral energy concept for a new construction of a grammar school with three field sports hall

Architects: Rossmann + Partner Karlsruhe

Client: City of Pforzheim

- Laufen

Alte Post (Old post office) - shade analysis

Architects: Henchion Reuter Architekten, Berlin

Client: Voggenberger Familien- Privatstiftung (Family-Private Foundation), Oberndorf

- Freiburg

Apartment block Maison Verte, solar energy concept and passive house projecting

Architects: Joachim Eble Architektur, Tübingen

Client: phasea, Freiburg und Gisinger GmbH, Freiburg

- Teheran

Energy concept, noise protection proof and thermal structural physics for the new construction of the visa office of the German Embassy in Teheran

Architects: Schuster Architekten, Düsseldorf

Client: Federal Construction Ministry, Berlin

- Munich

Energy concept and thermal structural physics for Biomedical Centre in Munich

Architects: k9 architekten, Freiburg

Client: k9 architekten, Freiburg

- Freiburg

Angell Akademie, thermal, ventilation technical and energy concept for the school utilisation of existing buildings

Architects: Rombach, Kirchgarten

Client: Angell Akademie, Freiburg

2008

- Heidelberg

Haus der Astronomie - energy concept and renewable energy supply

Architects: Bernhardt & Partner, Darmstadt

Client: Klaus Tschira Foundation, Heidelberg

- Lodz, Poland

Museum Lodz - climate concept, energy requirement proof

Architects: Ladleif Architekten, Kassel

Client: Möller Architekten, Frankfurt

- Rümlang, Switzerland

Energy renovation concept, Riedmatt center

Client: Rümlang, Switzerland

2007

- Freiburg

Energy concept and passive house projecting for the extension of the full-day area of Wentzinger school

Architects: Habhammer, Leiber, Osterloh, Freiburg

Client: Gebäudemanagement Freiburg

- Baden, Switzerland

Future proof renovation concept for 7 administration buildings of Alstom AG

Client: m+w zander, Stuttgart

- Diedorf

New construction of Evangelical Lutheran Community Centre Immanuel Church Diedorf, energy optimisation

Deutscher Solarpreis 2007/German solar prize 2007

Architects: Lichtblau Architekten, Munich

Client: Evangelical Lutheran Parish

- Freiburg

Concert Hall, optimisation of energy use

Architects: Bangert, Jansen, Scholz, Schultes, Berlin

Client: IGF, Freiburg



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- Freiburg
Passive house projecting for 2 apartment blocks
Architects: Amann Burdenski, Freiburg
Client: Pommer Massivbau, Neckarsulm

- Bahrain
Solar energy concept for a newly constructed community
Architects: Coste Feldkamp Kling, Solingen
Client: Wannewetsch, Wilmars

- Tübingen
Zero emission building - projecting
Architects: Architekten am Holzmarkt, Tübingen
Client: Construction group elementar, Tübingen

2006

- Weil am Rhein
Dynamic building simulation for the evaluation of summer comfort for the Vitrahaus
Architects: Herzog & de Meuron, Basel
Client: Vitra GmbH, Weil am Rhein

- Dresden
Optimisation of energy use at Gläserne Manufaktur (glass manufacturer) Dresden
Architects: Henn, Berlin
Client: m+w zander, Stuttgart

- Freiburg
Dynamic building simulation for the new construction of the Wall AG South subsidiary
Architects: iondesign, Berlin
Client: Wall AG, Berlin

- Karlsruhe
Energy optimisation of the renovation of the Federal Constitutional Court
Architects: Baumgarten, Berlin
Client: State Building Authorities, Baden-Baden

- Cologne
Structural physics and energy consulting for a storage for flood protection walls with training rooms
1st prize in competition
Architects: ,neubig hubacher, Cologne
Client: Municipal Sewage Works, Cologne

- Riegel
Energy supply concept for a new community and the conversion of a brewery site
Architects: Rothweiler, Freiburg
Client: Dreistromland GmbH, Freiburg

2005

- Heidelberg
Energy concept, dynamic building simulations, economic calculations and thermal structural physics for a multi-functional building
Architects: Bernhardt und Partner, Darmstadt
Client: EMBL, Heidelberg

- Immendingen
Ecological optimisation and economic calculations according to the "Nachhaltiges Bauen"(sustainable building) guideline of BMBau for a commercial building
Architects: Rolf + Hotz, Freiburg
Client: State High-rise building authority, Freiburg

- Düsseldorf
Ecological/energy optimisation of the new construction of the Handwerkskammer, Ulm
Implementation competition, 1st prize
Architects: rolf + hotz, Freiburg
Client: Handwerkskammer Ulm

2004

- Bonn
Energy concept for Café Solar for the international conference on renewable energies held between 1st and 4th June in Bonn
Architects: rolf + hotz, Freiburg
Client: rolf + hotz, Freiburg

- Freiburg
Dynamic and fluid-dynamic simulations for the execution planning of a double facade
Architects: rolf + hotz, Freiburg
Client: IHK Freiburg

- Tuttlingen
Thermal structural physics, EnEV, noise and indoor acoustics and concept for concrete core activation for the cooling and heating with ground probes for a research and development centre
Architects: rolf + hotz, Freiburg
Client: Binder GmbH, Tuttlingen

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2003

- Bad Krozingen

Optimisation of the energy supply of a hospital taking account of renewable energy sources, dynamic building simulations, fluid-dynamic simulations, illumination simulations and economic calculations for the new construction of a ward block with a glazed atrium

Architects: Ruch, Faller, Müller-Westerhagen, Bad Krozingen

Client: Herz-Zentrum, Bad Krozingen

- Plochingen

Dynamic building simulations and optimisation of the building envelope for a residential block

Architects: Schindler, Stuttgart

Client: Villiger, Stuttgart

- Freiburg

Renovation concept for apartment blocks in accordance with the KfW energy-efficient building 40 and KfW energy efficiency standard 60

Architects: Thoma/Thoma-Henninger, Freiburg

Client: Urban Development Freiburg

- Freiburg

Natural air conditioning with night-time ventilation and groundwater for an office building EUROSOLARPREIS 2006 (EUROSOLAR PRIZE 2006)

Architects: rolf + hotz Generalplaner, Freiburg

Client: Pharmaceuticals Josef Künle, Freiburg

- Limburg

EnEV proof for the extension of the ICE station in Limburg

Architects: Schuster, Düsseldorf

Client: Deutsche Bahn AG (German Rail)

2002

- Freiburg

Passive house projecting, natural air conditioning by means of night-time ventilation and plus energy house balance sum for an office building,

Energie- und Umweltpreis 2005/Energy and environment prize 2005

Architects: Rolf Disch, Freiburg

Client: Rolf Disch, Freiburg

- Donaueschingen

Ecological optimisation according to the "Nachhaltiges Bauen/Sustainable building" guidelines from BMBau and natural ventilation of the dining room for the new construction of the commercial building for Deutsch-Franz. Brigade

Award from Bundesministerium für Verkehr-, Bau- und Wohnungswesen (Federal Ministry for Traffic, Construction and Housing) within the framework of comparative evaluation of the sustainability in planning and construction processes of state buildings. Award for good construction 2008

Architects: rolf + hotz, Freiburg

Client: State High-rise building authority, Freiburg

- Ravensburg

Dynamic building simulation for the atrium of a nursing home

Architects: Eberding Architekten, Stuttgart

Client: Henne & Walter, Reutlingen

- Düsseldorf

Natural ventilation concept for a multiple-use hall

Architects: Fritschi, Stahl, Baum

Client: Commerical building authority, Düsseldorf

- Freiburg

Dynamic building simulation for the clarification of summer heating of an office building

Architects: Rothweiler, Freiburg

Client: BVV, Berlin

2001

- Quinta da Ria, Portugal

Energy/ecological optimisation for a holiday club

Architects: Hauss,Walla+Partner, Heidelberg

Client: Robinson Club, Hanover

- Hameln

Renewable energy concept for the new construction of a solar factory

1st prize in competition

Architects: Rolf+Hotz, Freiburg

Client: bp solar

- Villingen-Schwenningen

Summer heat protection, glazing type, facade consultation for an residential school

Deutscher Fassadenpreis 2003/German facade prize 2003

Architects: Melder und Binkert, Freiburg

Client: District Office Villingen-Schwenningen

list of references



▪ Dresden

Facade concept, ventilation concept and renewable energy concept for an office building

1st prize in competition

Architects: Bernhardt & Partner, Darmstadt

Client: Klaus Tschira Foundation, Heidelberg

▪ Freiburg

Energy optimisation and dynamic building simulation for the new construction of an office building with double facade

Architects: Lehmann, Offenburg

Client: District Office Freiburg

▪ Reutlingen

Energy and ventilation optimisation of a cultural and congress centre

fluid-dynamic simulations for a concert hall for 2000 people, 1st prize in competition

Architects: Schuster Architekten, Düsseldorf

Client: City of Reutlingen

▪ Reutlingen

Energy/ecological optimisation of a football stadium, Award for good building 2005

Architects: Rolf+Hotz, Freiburg

Client: City of Reutlingen

▪ Freiburg

Energy/ecological optimisation for the new construction of a laboratory and office building with transparent heat insulation

Architects: Rolf + Hotz, Freiburg

Client: University building authority Freiburg

▪ Woking County Surrey

Dynamic simulation of the thermal and hygric behaviour of an artificial lake for the air conditioning of the new construction of the McLaren research centre

Architects: Norman Forster, London

Client: Atelier Dreiseitl, Überlingen

▪ Pforzheim

Energy optimisation and dynamic building simulation for the new construction of an office building with double facade

Architects: Architektur&Stadtplanungsgesellschaft mbH, Pforzheim

Client: Stadtbau GmbH, Pforzheim

2000

▪ Freiburg

Energy concept and ecological optimisation within the framework of the architectural competition for the new construction of the Karlsruhe trade fair centre

2nd prize

Architects: Arge Sacker und Rolf+Hotz, Freiburg

Client: Arge Sacker und Rolf+Hotz, Freiburg

▪ Waldshut

Dynamic building simulations and design of building services concept for a passive house school

promotion by the Deutsche Bundesstiftung

Umwelt/German state foundation for environment

Architects: Harter&Kanzler, Waldkirch

Client: District of Waldshut

▪ Düsseldorf

Energy/ecological optimisation for the new construction and conversion of an office building

Architects: Nolda, Jäger, Kassel

Client: Pax Familienfürsorge

▪ Freiburg

Energy consultation and heat protection proof for a nursery school

Client: High-rise building authority Freiburg

1999

▪ Hameln

Dynamic building simulation, comfort analysis and fluid-dynamic simulations regarding the summer time temperature behaviour of a glass hall

Architects: Zerbe Kuhlmann Siebert, Hamburg

Client: Stadtsparkasse Hameln

▪ Mannheim

Concept, facade development and dynamic building simulation for the natural ventilation only of a high-rise

Architects: AS&P, Frankfurt

Client: Frank, Ludwigshafen

▪ Ettlingen

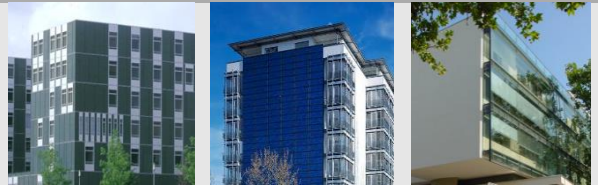
Solar energy concept for a newly constructed fire house

Architects: SPS, Ettlingen

Client: City of Ettlingen



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▪ Hartenfels

Design and pre-planning for the complete renewable energy supply for a detached house

EUROSOLAR prize 2001

Architects: Adams, Königswinter-Stieldorf

Client: Huf Haus GmbH & Co. KG, Hartenfels

1998

▪ Reilingen

Energy consultation and groundwater cooling for the new construction of a bank building

Architects: Bender, Reilingen

Client: Raiffeisenbank Reilingen

▪ Wuppertal Nathrat

Energy concept for a solar community

1st prize in competition

Architects: Neubig, Cologne

Client: Neubig, Cologne

▪ Freiburg

Complete renovation of 2 apartment blocks each with 48 residential units with thermal and electrical solar plant

Deutscher Fassadenpreis 2002/German facade

prize, Good building Award 2002, 1st prize

"Gebäudeintegrierte Photovoltaik 2005"/Integrated building photovoltaic plant 2005

Architects: Rolf + Hotz, Freiburg

Client: Familienheim, Freiburg

▪ Telgte

Energy concept for a solar community

1st prize in state construction competition

Architects: Schuster Architekten, Düsseldorf

Client: City of Telgte

▪ Duisburg

Ecological overall concept and design planning for an administration building in passive house construction with component cooling, honeycomb cardboard insulation, rapeseed oil power plant and adsorption cooling machine

1st prize in architectural competition Deutscher

Fassadenpreis 2004/German facade prize 2004

Architects: Schuster Architekten, Düsseldorf

Client: Federal State of North Rhine Westphalia

1997

▪ Wiesbaden

Dynamic building simulations and pre-planning for a double facade for a residential block

Architects: Hempel+ Bernhardt, Darmstadt

Client: NASPA, Wiesbaden

▪ Kassel

Integral planning, solar optimisation and natural air conditioning with underground channels for a factory hall

Public promotion within the framework of "Solar optimiertes Bauen"/Solar optimised construction and Solarbau-Monitor/Solar construction monitor

Architects: Eble, Tübingen

Client: Hübner Kassel

▪ Freiburg

Temperature behaviour and ventilation dynamics of a hall with a non-shaded glass facade designed as a piece of artwork

Architects: University building authority, Mr Rippel

Client: University building authority, Freiburg

1996

▪ Basel

Solarisation and energy renovation of a large laboratory building,

1st prize in project competition

Architects: Schori Anliker Jäggi, Bern

Client: Ciba-Geigy AG

▪ Freiburg

CO2 neutral energy concept with direct solar energy utilisation and rapeseed oil power station and natural air conditioning for a solar factory,

2nd prize in the competition "Photovoltaik in

Gebäuden '96"/Photovoltaics in buildings '96

Architects: Rolf+Hotz, Freiburg

Client: Solar-Fabrik Freiburg GmbH

1995

▪ Munich

Dynamic computer simulations for the workshops of the Olympic stadium

Architects: Benisch & Partner, Stuttgart

Client: Vögele, Thannhausen

▪ Freiburg

Design, planning and construction management for a 20 KW photovoltaic system and a 300 m² air collector plant

Client: University Hospital, Freiburg

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1994

- Calabria

Completely renewable energy concept for a European health centre

Architects: Plank, Intragna Calezzo

Client: Verein zur Prävention von Herz/Kreislaufkrankungen

- Freiburg

Natural ventilation concept for a sports hall with 1500 strong audience

Architects: Spycher, Basel

Client: Hochbauamt High-rise building authority Freiburg

- Teningen

Dynamic building simulation for a new office construction, summer overheating, night-time cooling and cooling via underground channel

Architects: Roser, Freiburg, Werkgruppe Lahr

Client: Kebser&Freyler, Teningen

1993

- Freiburg

Energy evaluation of the renovation options for the ear, nose and throat clinic

Client: University building authority Freiburg

- Hamburg

Dynamic building simulation with transparent and heat insulated facade for an assembly hall

Client: Greenpeace e.V.

1992

- Tübingen

Energy-technical consulting, dynamic building simulation, daylight simulation for an environment authority within the framework of an implementation competition, 1st prize

Architects: Eble, Tübingen

- Freiburg

Dynamic building simulation for a residential building that follows the sun

Architects: Disch, Freiburg

Client: Disch, Freiburg

- Osnabrück

Dynamic building simulation and consultation for the new administration building for the Deutsche Bundesstiftung Umwelt

Architects: Schneider-Wessling, Cologne

Client: Deutsche Bundesstiftung Umwelt

- Karlsruhe

Dynamic building simulation for a residential and business complex with large glass structures and planning and execution of the control of a natural ventilation system

German project for the Green Building Challenge '98

International Building Performance Assessment

Architects: Eble, Tübingen

Client: Karlsruher Lebensversicherung AG

1991

- Nuremberg

Energy-technical consulting and dynamic building simulation taking special account of transparent heat insulation for a detached house

Client: Haushoch Architekten, Nuremberg

- Frankfurt

Dynamic building simulation, shading calculations and summer overheating risk for a primary school

Architects: Gualdi, Neu-Isenburg

Client: Ing. Büro Siegismund, Bad Vilbel

1990

- Freiburg

Energy consulting, dynamic building simulation, optimisation of conventional heat insulation and glazing, glass structures and design of sun collector plant for low energy terraced homes

Architects: Disch, Freiburg

Client: Urban Development, Freiburg