DEUTSCHES ARCHITEKTURMUSEUM

PRESS

INFORMATION of June 12, 2025

Frankfurt / Main

dataAE + Narch + Maria Arquitectes, Barcelona: Sozialer Wohnungsbau, Barcelona Foto: Adrià Goula

ARCHITECTURE AND ENERGY
Building in the age of climate change

An exhibition of Deutsches Architekturmuseum in collaboration with Werner Sobek

June 14 – October 5, 2025
at Deutsches Architekturmuseum (DAM)
Schaumainkai 43, Frankfurt/Main

PRESS CONFERENCE:
Thur, June 12, 2025, 11 p.m.

EXHIBITION OPENING:
Fri, June 13, 2025, 7 p.m.

GUIDED TOURS
on Saturdays + Sundays, 2 p.m.

OPENING HOURS
Tue, Thurs - Sun 11 - 6 p.m.; Wed 11 - 7 p.m.;
Mon closed

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ENERGY, THE CLIMATE, AND BUILDING – AND HOW IT IS ALL INTERCONNECTED

The construction industry accounts for about 40 percent of the emissions responsible for climate change, and thus more than any other sector. It is therefore critically important as quickly as possible to reduce both the CO_2 emissions and the energy inputs involved in the manufacture and operation of buildings. This is a task society as a whole faces and it is one to be tackled in the interests of future generations and nature, too.

However, the numerous conflicts in our world are repeatedly repressing an awareness of the consequences of global warming. Global warming is continuing unabated. One key factor driving this, is the carbon dioxide that arises when fossil fuels are combusted once it has been released into the atmosphere. Global warming is thus not only caused by energy consumption per se but by the climate-damaging emissions.
We must therefore on reducing greenhouse gas emissions as a whole. In Germany, this holistic view covers individual sectors such as transportation, industry, the energy industry, and buildings. The transportation and buildings section have for years failed to comply with the boundary values set for them.
If we consider the emissions that arise when erecting, using, and demolishing buildings over and above the afore-mentioned sectors then it becomes apparent that they account for the majority of the emissions. It follows that construction plays a central role in the reduction of these emissions.
These emissions must urgently be reduced. This applies to buildings across their entire lifecycle. Such a view must not end with the individual building, as the use of resources, energy generation and supply or the inclusion of regional factors also embraces issues relating to urban, neighborhood, and landscape planning.

ABOUT THEEXHIBITION

With our “Architecture and Energy. Construction in the Age of Climate Change” project we want to answer the following questions and convey content on them: If the architecture and construction as a whole play a key role in reducing emissions, what can and must planners then do in order to reduce the greenhouse gas emissions of buildings? What do possible architectural measures actually look like? How do architects tackle the challenges of climate change?

How do we want and how must be construct buildings in the age of climate change?
The persons directly involved in construction play a crucial role in answering this question. The goal of the exhibition is to outline the linkages between energy, emissions, construction, and architecture in a readily understandable way. Projects are presents that in their realization give an architectural answer to these challenges. Moreover, different perspectives on suitable measures are offered. The objective is to address the topic not just at the theoretical level Ziel but also make it comprehensible in practical and material terms.

The exhibition project traces a line from anthropogenic climate change and its impact on construction through to countless possible action options and solutions for an approach to architecture commensurate with the age of climate change.

We…
EXPLAIN the linkages and dependencies between energy generation and requirement, the greenhouse effect, and climate-damaging emissions. Moreover, we outline the measures necessary to contain climate change and highlight the impacts and influence of emissions caused by buildings.

PRESENT the potential of architecture by means of different projects in order by means of practical examples to bring about a mindset change that goes beyond the energy and construction transition and emphasizes what is desirable. Possible solutions to reduce emissions and energy consumption are underlined. When choosing projects we selected ones that have already been realized within Europe. They are located in urban and rural areas, their size, the construction task, and the context vary.

POINT to array of different approaches, views, and practical experiences. Experts from different disciplines report on their insights and understanding of building in the age of climate change:

Heinrich Bökamp, construction engineer and President of the German Federal Chamber of Engineers
Andrea Gebhard, urban planner and landscape architect and President of the German Federal Chamber of Architects
Claudia Kemfert, Head of the Energy, Transportation, and Environment section at Deutsches Institut für Wirtschaftsforschung (DIW Berlin) and Professor for Energy Economics and Energy Politics Leuphana University Lüneburg
Cord Soehlke, Mayor for Construction and First Mayor of the University City of Tübingen
Angèle Tersluisen, Professor at Technische Universität Berlin, Institute of Architecture, Dept. of Architecture, Building Technology and Systems

Students at the Berlin University of Arts, Technische Universität Dresden, University of Kassel and ETH Zurich present the topics from the fields of energy, emissions, and architecture. They highlight their proposed solutions and guide exhibition visitors through new fields of research.

We…
MAKE the material tangible by exploring its impacts on climate change. The practice Henning Larsen, Copenhagen, is guesting at DAM with the show “Do you speak Carbon” and invites visitors to test their knowledge of construction materials. Karlsruhe Institute of Technology (KIT) present innovative building materials. These factor in the emissions balance, the use of resources, and the climatic impact of construction materials in a holistic manner and spotlight the new potentials.

Furthermore, large-size models enable visitors to experience complex construction components and their functions.

The exhibition seeks to contribute to harmonizing climate neutrality and architecture. It wants to help drive general acceptance of this objective and nurture a general awareness of the opportunities for climate-just construction.

PROJECTS IN THE EXHIBITION

Lendager Arkitekter ApS, Copenhagen
Kindergarten, Søborg, Denmark, 2022

lohrmannarchitekten, Stuttgart
Educational centre, Weil der Stadt, Germany, 2023

Freivogel Mayer Architekten GmbH, Ludwigsburg
High-rise residential building, Pforzheim, Germany, 2014

Florian Nagler Architekten GmbH, Munich
Research house, Bad Aibling, Germany, 2023

ACME, London
Food market, Wiesbaden, Germany, 2021

51N4E, Brussels; Lacaton & Vassal, Montreuil
Social housing, Brussels, Belgium, 2024

raumwerk.architekten, Hübert und Klußmann, Cologne
Mixed neighbourhood block, Wuppertal, Germany, 2022

opus Architekten, Darmstadt
Plus-Energy daycare centre, Marburg, Germany, 2015

Dietrich Untertrifaller Architectes, Paris
All-day school, Bretenoux, France, 2023

heilergeiger architekten und stadtplaner, Kempten
Daycare centre, Memmingen, Germany, 2019

Henning Larsen, Copenhagen
Extension of a school, Rønde, Denmark, 2022

Element A Architekten, Munich
Office building, Munich, Germany, 2021

Baumschlager Eberle Architekten, Zurich
Office and laboratory building, Schlieren, Austria, 2024

Esch Sintzel Architekten, Zurich
Conversion of warehouse building, Basel, Switzerland, 2023

Nadia Vontobel Architekten, Zurich
Plus-energy house, Poschiavo, Switzerland, 2021

Christoph Ingenhoven Architects, Düsseldorf; ingenhoven associates, Düsseldorf
Town hall, Freiburg im Breisgau, Germany, 2017

Haascookzemmrich STUDIO2050, Stuttgart
Visitor centre, Legau, Germany, 2022

DATAAE, Barcelona; Narch, Barcelona;
Maira Arquitectes, Barcelona
Social housing, Barcelona, Spain, 2022

furoris X art, Chemnitz
Cultural and information centre, Ursprung, Germany, 2021

Peris + Toral Arquitectes, Barcelona
Social housing, Ibiza, Spain,2022

ArchitekturWerkstatt Vallentin, Munich
Community housing, Munich, Germany, 2020

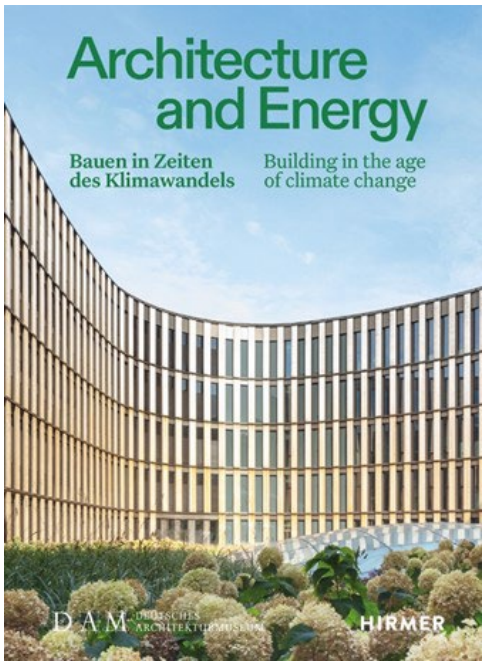
häfner jiménez betcke jarosch landschaftsarchitektur, Berlin
Energy mountain Georgswerder, Hamburg, Germany, 2013

BAU – B. Arquitectura | Urbanisme, Barcelona + MDP Michel Desvigne Paysagiste, Paris
Public space by the Saint-Sernin Basilica, Toulouse, France, 2020

Samsø island, Denmark

Wildpoldsried, Germany

PUBLICATION



Architecture and Energy
Bauen in Zeiten des Klimawandels
Building in the age of climate change

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Available in the museum shop for 25,- EUR, in bookstores available for 39,90 EUR.

CONINCIDING PROGRAMME

The exhibition will be accompanied by an extensive programme of events and educational activities including lectures, panel discussions, excursions, guided tours and programme for children and young people. Further information can be found in the attached programme flyer and at www.dam-online.de

IMPRINT

ARCHITECTURE AND ENERGY – Building in the age of climate change
June 14 – October 5, 2025
at Deutsches Architekturmuseum (DAM), Frankfurt/Main

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Building services: Giancarlo Rossano, Daniel Sarvari

In cooperation with

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Press images for announcements and reports during the exhibition period at www.dam-online.de/press

PREVIEW

Building cities today? The challenges of new urban neighbourhoods in Germany
June 28 – November 2, 2025

Sulog - Filipino Architecture in the Crosscurrents of a Future Unfolding
September 20, 2025 – January 20, 2026

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