Special exhibition 29.03. – 01.04.2022 in Nuremberg

Green Deal

CO_2 efficiency and protection against climate consequences with sustainable windows and building elements

The laws of nature cannot be cheated and the **climate change** is here. The consequences affect us all - here and now. Heat records with temperatures as high as 47 degrees, flooding during heavy rain, and unexpected cold snaps with large amounts of snow put lives at risk. Buildings are damaged by tennis ball sized hailstones and hurricanes. Therefore, it is not only a matter of limiting the climate change through energy-efficient and sustainable construction products and construction technology, but also of protecting against future **climate extremes**.

In addition, the **CO_2 footprint** of construction products is coming more into focus, as the **"grey" energy** for the construction of new buildings has a large share and must not be neglected. Politicians are now recognizing this, so that construction elements and building materials will have to meet higher requirements for **sustainability** and **energy efficiency** in the future. Components made from **renewable raw materials** or with a high **recycling content** offer advantages. Climate scientists therefore emphasize the need to push energy-efficient **building refurbishment** more strongly in order to make the best possible use of the remaining CO_2 budget.

Windows, doors, facades, sun protection, decentralized ventilation systems and other construction elements and building materials must therefore fulfill the following aspects in order to be marketed successfully in the future.

1. **Reduction of CO_2** emissions and improvement of the energy efficiency of building materials, construction elements and buildings,
2. Use of **renewable** raw materials and/or with a high proportion of **recycled material**,
3. Technologies to simplify energy refurbishment (**serial refurbishment** / Energiesprong principle),
4. Products and designs that improve sustainability and recycling and go easy on resources in accordance with the "**Cradle to Cradle**" approach and with good maintenance, care and disposal concepts,
5. **"Green" facades** and technologies to improve air quality and microclimate,
6. **Adaptive sun protection systems** that restrain the energy hunger of air conditioners and protect against heat waves,
7. Protection and **resilience** against climate consequences such as floods, tornadoes and hailstorms,
8. **Decentralised ventilation systems** for night-time cooling and natural fresh air supply and minimal energy consumption,
9. **Digital control systems** to minimise CO_2 emissions in the construction and operation of buildings and to improve living comfort + security,
10. **Surfaces** that do not heat up so much when exposed to solar radiation and thus protect the building elements from damage.

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Booth Concept + Presentation

The exhibition stand is structured along the **life cycle** (production to recycling) by theme islands and graphic elements. An **eye-catcher** on the main aisle, drawing attention to the urgency of climate change, arouses interest in the "Green Deal".

The **theme islands** contain functional products from co-exhibitors. These will be complemented by PC terminals where detailed information and calculation/**simulation tools** and digital services will be available (automatic EPD generation, CO_2 calculator, Ökobaudat, control systems, digital services of co-exhibitors).

An **action zone** with a large screen shows **live video streaming** of tests, energy-efficient production processes, recycling processes, innovative mounting systems, instruction of assembly, calibration, quality assurance via **smartglasses**, etc.

Numerous meeting opportunities and a separate meeting area invite visitors to exchange ideas with ift experts and co-exhibitors.

Possible exhibits and co-exhibitors

Digital systems to improve energy efficiency (software, controls, assembly, quality assurance, etc.)

Products based on the **E**nergiesprong principle to simplify energy refurbishment (serial refurbishment)

Windows, construction elements and building materials with a high recycling rate

Green facades and flat roofs

Construction elements as protection against **c**limate extremes (hurricanes, hail, flooding, etc.)

Decentralised **v**entilation systems with high energy efficiency

Installation systems to simplify and promote window replacement

Systems for **n**ight-time cooling

Renewable raw materials and materials for windows, doors and building elements

Test methods for increased requirements due to climate extremes

Innovative **r**ecycling processes

Adaptive **s**olar shading for optimal solar gains and protection against overheating

Control systems for windows, doors and sun protection for higher energy efficiency

Building materials and surfaces to reduce **o**verheating

Vacuum insulating glazing (VIG) for energy-efficient refurbishment of existing windows

Prefabricated **w**all elements made of wood and other renewable raw materials

Maintenance and care concepts to extend the period of use

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Opportunities for participation

Participation A
Participation with exhibit and all services of participation B.
Participation fee EUR 4,995.00 per exhibit/service.

Participation B
Presentation without exhibits. Mention as "quality manufacturer" in documentary volume, website, logo on exhibition stand, etc.
Participation fee EUR 1,500.00 per exhibit/service.

Participants, that are no exhibitor at the FENSTERBAU FRONTALE 2022, will be charged by the NürnbergMesse a co-exhibitor fee of EUR 839.00.

Performance and service package for co-exhibitor

1. Product presentation at FENSTERBAU FRONTALE 2022 within the special exhibition
2. **Presentation** (print + digital) with product description, company and service portrait for information for fair visitors and distribution via media of ift Rosenheim.
3. **PR campaign** for special exhibition and participating exhibitors.
4. **Display trays** for company and product information at the special exhibition.
5. Use of **central service** (catering, meeting spaces, information boards, appropriate hygiene measures, etc.)
6. Information board on the exhibition stand with listing of logos.
7. Mention in the **list of exhibitors** at Fensterbau Frontale 2022 as co-exhibitor.
8. Qualified visitor/product information of the exhibits by experts of ift Rosenheim.

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Email: benitz@ift-rosenheim.de and benitz@ift-rosenheim.de or **by mail** to
ift Rosenheim GmbH, Theodor-Gietl-Str. 7-9, 83026 Rosenheim, Germany

☑ **We hereby apply for participation[1] in the special exhibition "Green Deal" at the trade fair FENSTERBAU FRONTALE 2022 in hall 1 (booth 515)**

Short description of exhibit (window, door, facade, glass, window ventilation, hardware, etc.) Short information regarding construction, material, function, design, test certificates and quality certificates) Link to website with pictures and further product information	
Company name	
Contact person	
Position/designation	
Address	
Telephone / Fax	
e-Mail	
Date **Signature**	

1 Selection criterion for the participation is the eligibility for the overall concept and the receipt of the application.