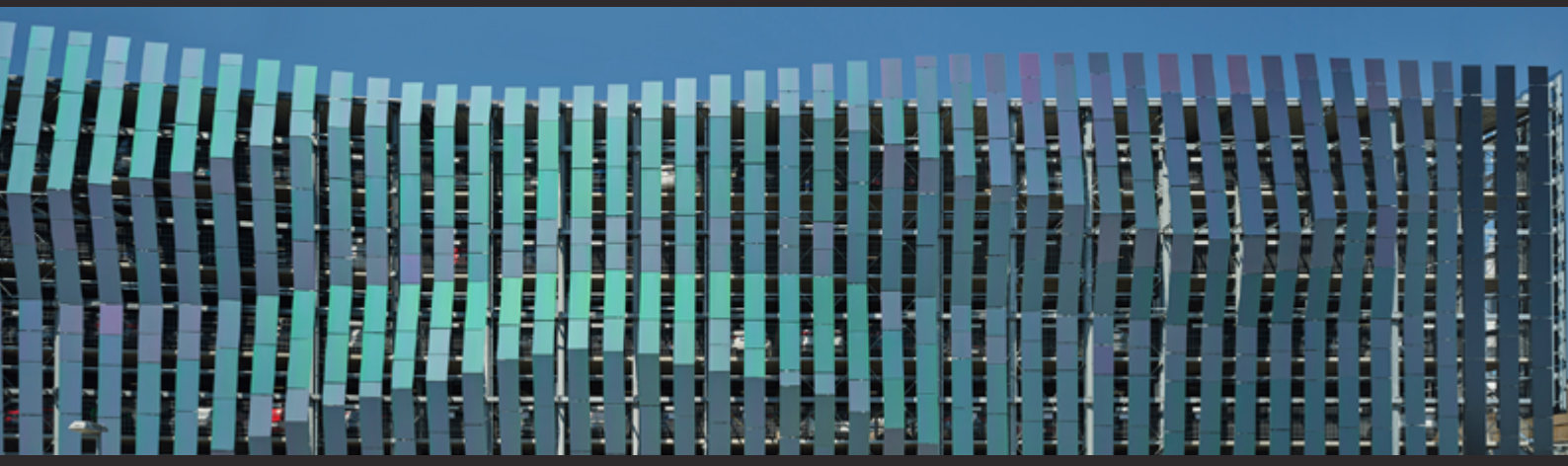
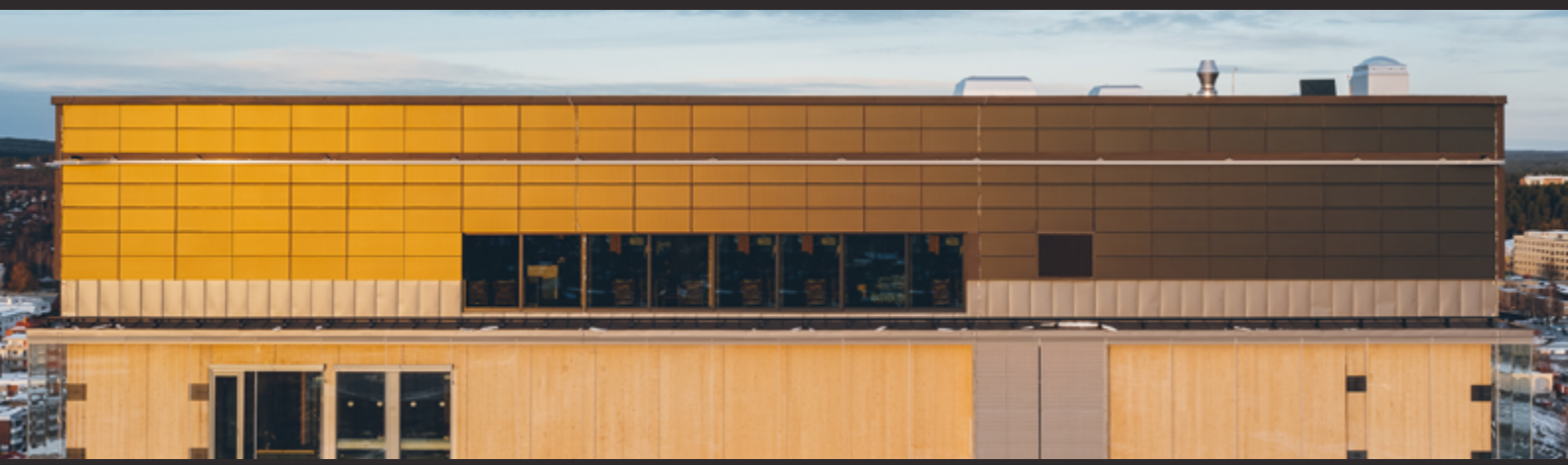
Empower your facade

SKALA





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HIGHEST CONTINUOUS SOLAR FACADE

Holenackerstraße in Bern (CH)

In this Swiss pilot project regarding fire protection regulations, a solar facade with a special substructure was integrated into the building envelope as part of a refurbishment of 54 m high concrete facade strips on two high-rise buildings.

51.1 MWh
Energy yield per year

100 kg/year
CO_2 savings based on country-specific emission factors, determined in 2024

SKALA Bronze

Customer:	FAMBAU Genossenschaft
Architects:	reinhardpartner Architekten und Planer AG
Project realization:	2023
Location:	Bern, Switzerland
Building type:	Residential building
Facade area:	672 m^2
Number of modules:	640 modules
Plant power:	85.6 kWp
Project partners:	SFT Swiss Fassaden Technik AG
Photos:	Olaf Rohl

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NEW COMMERCIAL BUILDING

Spencer Street in Melbourne (AU)

On Australia's first solar facade, transparent window surfaces were combined with opaque solar modules consisting of light grey SKALA modules. The elements made of different facade materials were installed that they are optimally orientated the solar radiation.

75.73 MWh
Energy yield per year

58,300 kg/year
CO_2 savings based on country-specific emission factors, determined in 2024

SKALA Light Grey

Customer:	Fethers architectural pty ltd
Architect:	Pete Kennon
Project realization:	2023
Location:	Melbourne, Australia
Building type:	Commercial building
Building type:	1,203 m^2
Number of modules:	1,220 modules
Plant power:	146 kWp
Project partners:	Fethers architectural pty ltd
Photos:	Fethers architectural pty ltd

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PARKING HOUSE | NEW BUILDING

Parking house LEJ Campus in Leipzig (DE)

Empower your facade

In our first hybrid project, the new parking garage of DHL, building-integrated photovoltaics in the building envelope and rooftop solar systems were combined to cover a large part of the DHL campus' electricity requirements.

809 MWh
Energy yield per year

305,550 kg/year
CO_2 savings based on country-specific emission factors, determined in 2024

SKALA Black, Light Green

Customer:	Leipziger Stadtbau AG
Architects:	Melicia Planchart, Architektur von Domaros
Project realization:	2023
Location:	Schkeuditz, Germany
Building type:	Parking house
Facade/roof:	1,872 m^2 | 2,820 m^2
Facade/roof:	2,002 modules | 1,307 modules
Facade/roof:	240 kWp/ 588 kWp
PV modules roof:	Jetion monokristallin
Project partners:	elektroBAU Dresden GmbH
Photos:	Olaf Rohl

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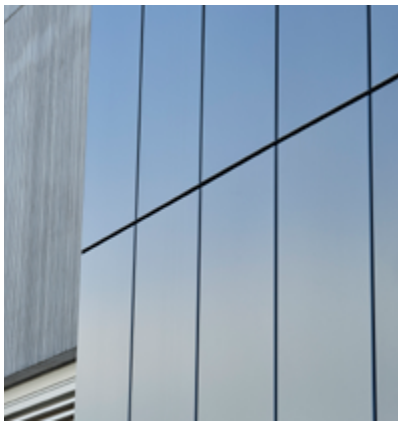
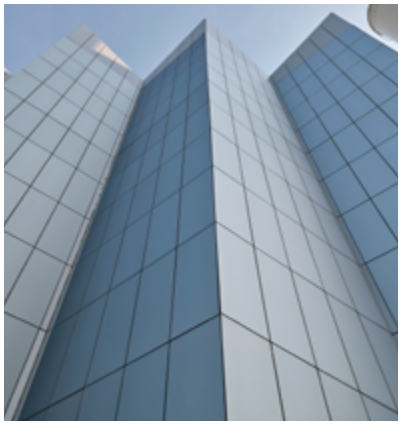
INDUSTRIAL BUILDING

Gasmotorenwerk in Saarbrücken (DE)





The folded facade of this impressive industrial building is visually reminiscent of a monolith following the energy-efficient refurbishment. The spectacular appearance of this building envelope was achieved by installing of light-gray colored SKALA modules.

79.4 MWh
Energy yield per year

35,499 kg/year
CO_2 savings based on country-specific emission factors, determined in 2024

SKALA Light Grey

Customer:	Energie SaarLorLux AG + ENGIE Deutschland GmbH
Architects:	Christina Beaumont und Achim Gergen (CBAG) Architekten
Project realization:	2022
Location:	Saarbrücken, Germany
Building typ:	Industrial building
Facade area:	1,058 m^2
Number of modules:	1,004 modules
Plant power:	120.5 kWp
Project partners:	elektroBAU Dresden
Photos:	Olaf Rohl

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PARKING HOUSE | NEW BUILDING

RWE parking house in Essen (DE)

The use of a simplified substructure makes the realisation of the solar facade on this multi-storey car parking house particularly attractive and is therefore groundbreaking for the further development installation use on industrial facades.

66.84 MWh
Energy yield per year

23,500 kg/year
CO_2 savings based on country-specific emission factors, determined in 2023

SKALA Black

Customer/Architect:	RWE Technology International GmbH
Project realization:	2022
Location:	Essen, Germany
Building type:	Parking house
Facade area:	840 m^2
Number of modules:	800 modules
Plant power:	120 kWp
Project partners:	elektroBAU Dresden GmbH
Photos:	Olaf Rohl

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LABORATORY BUILDING | NEW CONSTRUCTION

LAB42 in Amsterdam (NL)

This multifunctional building for the University of Amsterdam is designed to be flexible, sustainable and demountable. The modular facade construction combines colored ceramic elements with anthracite-colored SKALA modules.

28.96 MWh
Energy yield per year

9,900 kg/year
CO_2 savings based on country-specific emission factors, determined in 2024

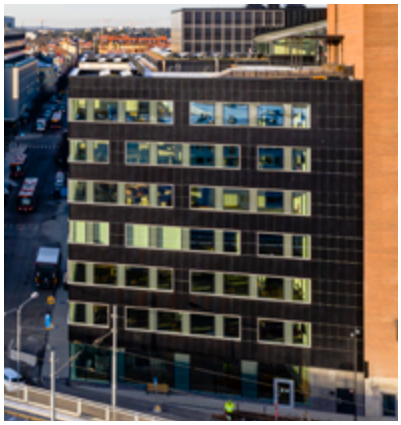
SKALA Anthracite

Customer:	Saint-Gobain
Architects:	Benthem Crouwel Architects
Project realization:	2021
Location:	Amsterdam, Netherlands
Building typ:	Laboratory building
Facade area:	349 m^2
Number of modules:	332 modules
Plant power:	46.48 kWp
Project partners:	Visser & Smit Bouw
Photos:	Saint Gobain Solutions

RESIDENTIAL BUILDING | REFURBISHMENT

Nya Kronan in Sundbyberg (SE)

Empower your facade



As part of an extension, the office building was designed to achieve the highest level of LEED Platinum Core & Shell environmental certification. The black SKALA modules integrated between the ribbon windows play a part in this.

48.93 MWh
Energy yield per year

400 kg/year
CO_2 savings based on country-specific emission factors, determined in 2024

SKALA Black

Customer:	SKANSKA
Architects:	C.F. Moller Architects
Project realization:	2021
Location:	Sundbyberg, Sweden
Building typ:	Residential building
Facade area:	527 m^2
Number of modules:	588 modules
Plant power:	68.59 kWp
Project partners:	elektroBAU Dresden GmbH
	Solkompaniet
Photos:	Christian Boo

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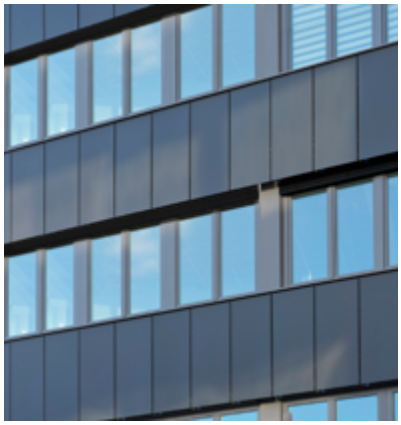
RESIDENTIAL AND COMMERCIAL BUILDING | RENOVATION

Bremer Tor in Vechta (DE)



50-year-old building was completely renovated, technically and energetically brought up to date according to Energy Efficiency 100. 234 anthracite-colored SKALA modules were integrated into the facade below the window strips and on the parapets.

19.42 MWh
Energy yield per year

6,800 kg/year
CO_2 savings based on country-specific emission factors, determined in 2022

SKALA Anthracite

Customer:	Grieshop Vechta
Architects:	Bocklage + Buddelmeyer Architekten GmbH, Vechta
Project realization:	2021
Location:	Vechta, Germany
Building type:	Residential & commercial building
Facade area:	246.5 m^2
Number of modules:	234 modules
Plant power:	32.8 kWp
Project partners:	elektroBau Dresden GmbH
Photos:	Olaf Rohl

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SECOND LARGEST WOODEN SKYSCRAPER IN THE WORLD

Sara Kulturhus in Skelleftea (SE)

This new multi-purpose building was constructed entirely of wood. Our bronze-colored SKALA modules enclose the SPA area located on the top floor at a height of 80 m and are a wonderful addition to the wooden construction of the building.

21.8 MWh
Energy yield per year

200 kg/year
CO_2 savings based on country-specific emission factors, determined in 2024

SKALA Bronze

Customer:	Kraftpojkarna Sverige AB
Architects:	White Arkitekter
Project realization:	2021
Location:	Skelleftea, Sweden
Building typ:	Wooden skyscraper
Facade area:	319 m^2
Number of modules:	304 modules
Plant power:	39.52 kWp
Project partners:	elektroBAU Dresden GmbH
	SCHRAG Fassaden GmbH
Phtos:	Jonas Westling

SINGLE FAMILY HOUSE | NEW CONSTRUCTION

Solar villa in Krakow (PL)

Empower your facade

Master-class solar architecture in this impressive PlusEnergy house. The SKALA modules clad with Alucobond on the south-facing roof and facade complement the surrounding slate material to create a uniform overall appearance.

10.7 MWh
Energy yield per year

9,400 kg/year
CO_2 savings based on country-specific emission factors, determined in 2024

SKALA Black

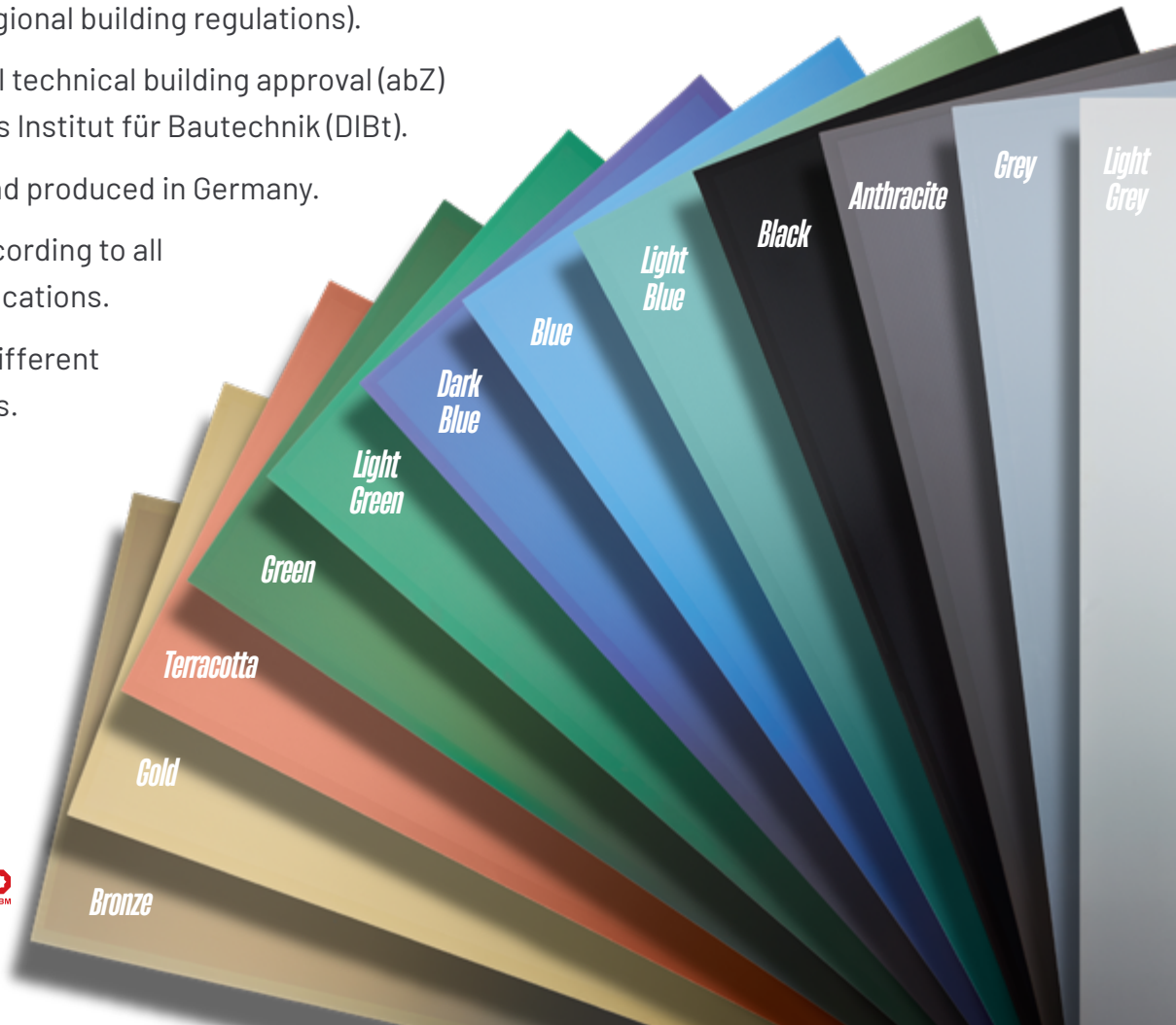
Customer:	F.U.B. Victoria Invest & Krzysztof Zielinski
Architect:	Peter Kuczia
Project realization:	2020
Location:	Krakow, Poland
Building typ:	Residential house
Facade area:	107 m^2
Number of modules:	98 modules
Plant power:	14.2 kWp
Photos:	Peter Kuczia

Empower your facade

SKALA

SKALA – as diverse as your ideas

- Is a glass-glass module without disturbing frame.
- Has an opaque black color as standard version.
- Does not need mechanical clamping on the front glass due to its backrail system fitting to all common facade substructures.
- Is most suitable for rainscreen ventilated facades.
- Can be combined with a variety of other facade materials.
- Can be installed in portrait and landscape format (depends on regional building regulations).
- Has the general technical building approval (abZ) from Deutsches Institut für Bautechnik (DIBt).
- Is developed and produced in Germany.
- Is approved according to all relevant certifi cations.
- Is available in different colors and sizes.



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