Empower your facade

SKALA

Brand of AVANCIS CNBM

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SPORTS HALL / NEW BUILDING

Climbing Center in Eichstätt

Empower your facade

Construction of a modern climbing center of the German Alpine Club with a 169 m² large solar facade on a wooden substructure on the south side of the envelope. The JURABLOC impresses with the unique combination from natural stone facade and different materials.

16.6 MWh
Energy yield per year

5800 kg
CO_2 savings per year based on country-specific emission factors

Black B001

Customer:	Bauer Energietechnik
Architects:	Seibold + Seibold, Eichstätt
Project realization:	2016
Location:	Eichstätt, Germany
Building typ:	Sports hall / new building
	Public building
Facade area:	169 m²
Number of modules:	160 modules
Plant power:	21.6 kWp
Color:	SKALA Black B001
Project partners:	Bauer Energietechnik, Ingolstadt
Photos:	Albrecht Voss

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NEW OFFICE BUILDING / RESIDENTIAL COMPLEX

Senn Areal in Bern

Empower your facade

New construction of the energy-efficient residential and commercial building with a black solar facade on the south-east side of the building complex.

11.6 MWh
Energy yield per year

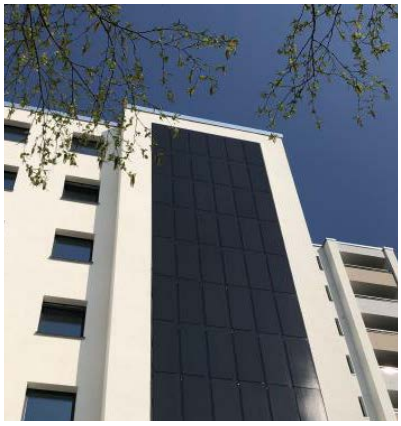
100 kg
CO_2 savings per year based on country-specific emission factors

Black
B001

Customer:	FamBau
Architects:	pjk Architekten AG, Ittingen
Project realization:	2016
Location:	Bern, Switzerland
Building typ:	Residential complex
Facade area:	136 m^2
Number of modules:	130 modules
Plant power:	17.5 kWp
Color:	SKALA Black B001
Project partners:	SwissFassadenTechnik AG, Bern
Photos:	Albrecht Voss

BUILDING RENOVATION

Residential Park Mariendorf in Berlin



As part of a modernization project, the 36 houses implemented an energy concept consisting of combined heat and power units and renewable electricity from photovoltaic modules was implemented. The 100 square meter photovoltaic system blends harmoniously into the overall appearance of the building.

7.9 MWh
Energy yield per year

2800 kg
CO_2 savings per year based on country-specific emission factors

Black
B001

Customer:	Gewobag
Architects:	Projekt Plan & Bau K2 GmbH
Project realization:	2018
Location:	Berlin, Germany
Building typ:	Residential buildings
Facade area:	105 m^2
Number of modules:	96 modules
Plant power:	13.92 kWp
Color:	SKALA Black B001
Project partners:	ecopark GmbH
	GASAG Solution Plus AG
Photos:	Leo Seidel

OFFICE BUILDING / RENOVATION

Volg Konsumwaren AG in Oberbipp

Energetic renovation of the west facade of the logistic distribution center of the company Volg in Switzerland with standard and reduced length modules in special customer color „Volg blue“.

7.5 MWh
Energy yield per year

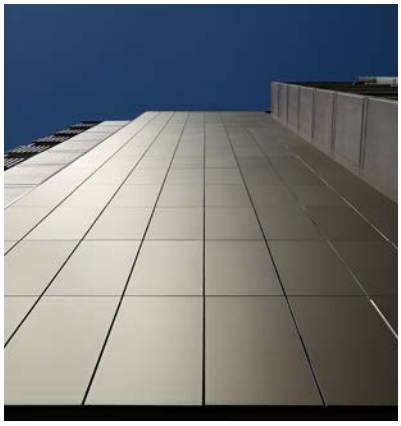
100 kg
CO_2 savings per year based on country-specific emission factors

Blue 7001

Customer:	Solvatec AGROLA AG, Basel
Project realization:	2018
Location:	Oberbipp, Switzerland
Building typ:	Office Building / Renovation
Facade area:	71 m^2
Number of modules:	80 modules
Plant power:	10.25 kWp
Color:	SKALA Blue 7001
Project partners:	SwissFassadenTechnik AG, Bern
Photos:	Albrecht Voss

RESIDENTIAL / RENOVATION

Melchior Street in Bern



Complete renovation of the residential complex built in 1971. Two bronze colored solar facades on the south and west side of the high-rise building produce part of energy and heat to improve the ecological assessment of the building.

18.6 MWh
Energy yield per year

200 kg
CO_2 savings per year based on country-specific emission factors

Bronze 3001

Customer:	FamBau
Architects:	W2H Architekten, Bern
Project realization:	2018
Location:	Bern, Switzerland
Building typ:	Residential / Renovation
Facade area:	267.75 m^2
Number of modules:	255 modules
Plant power:	37 kWp
Color:	SKALA Bronze 3001
Project partners:	SwissFassadentechnik AG, Bern
Photos:	Albrecht Voss

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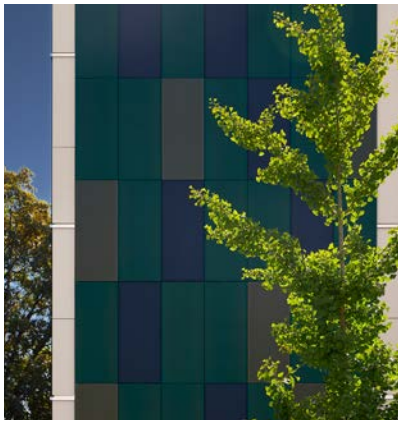
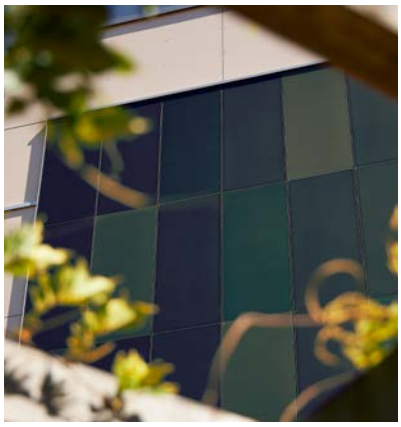
RESIDENTIAL / NEW BUILDING

Brünnen Street in Bern





The building envelope of the residential complex was totally refurbished with penthouse apartments. The property rated with an energy efficiency label AA+ generates electricity and hot water via PV modules on the roof, on balcony parapets as well as two SKALA solar facades.

3.1 MWh
Energy yield per year

40 kg
CO_2 savings per year based on country-specific emission factors

Bronze 3001 | Green 4002 | Dark Blue 7002

Customer:	Swissrenova, Bern-Münsingen
Architects:	Swissrenova
Project realization:	2019
Location:	Bern, Switzerland
Building typ:	Residential / New Building
Facade area:	88.2 m^2
Number of modules:	84 modules
Plant power:	11.9 kWp
Color:	SKALA Bronze, Green, Blue
Project partners:	SwissFassadenTechnik AG, Bern
Photos:	Albrecht Voss

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NEW BUILDING / PUBLIC BUILDING

City Archive Amsterdam

Empower your facade

Solar facade with grey SKALA modules on the south and west side of the new depot of the Amsterdam City Archives. A total of 800 rooftop PV modules and 300 modules on the facades ensure the yearly energy self-consumption of the new energy efficient building.

22.2 MWh
Energy yield per year

0%
External energy demand

Grey
G002

Customer:	BAM Techniek Energy Systems B.V.
Architects:	Cepzed, Delft, Netherlands
Project realization:	2019
Location:	Amsterdam, Netherlands
Building typ:	New Building / Public Building
Facade area:	320 m^2
Number of modules:	300 modules
Plant power:	36.8 kWp
Color:	SKALA Grey G002
Project partners:	SwissFassadentechnik AG, Bern
Photos:	Lucas van der Wee

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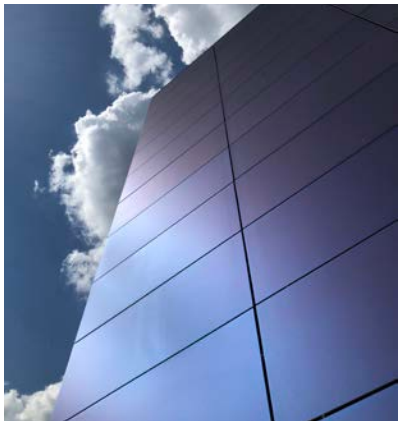
RESEARCH INSTITUT

Helmholtz-Zentrum Berlin



The facade of the research laboratory of the Helmholtz-Zentrum Berlin is used for basic research to further develop efficient and cost-effective thin-film solar cells. The matte, homogeneous design of our thin-film modules provides the special look.

28 MWh
Energy yield per year

9900 kg
CO_2 savings per year based on country-specific emission factors

Blue 7003

Customer:	SCHRAG Fassaden GmbH
Architects:	DGI Bauwerk
Project realization:	2020
Location:	Berlin, Germany
Building typ:	Laboratory
Facade area:	378 m^2
Number of modules:	360 modules
Plant power:	48.60 kWp
Color:	SKALA Blue 7003
Project partners:	SCHRAG Fassaden GmbH
Photos:	SCHRAG Fassaden GmbH, HZB

PUBLIC BUILDING / OFFICE / RENOVATION

Stadtwerke Bad Hersfeld

Reconstruction of the south-east facade with anthracite SKALA modules of the utility company of the city of Bad Hersfeld.

8.5 MWh
Energy yield per year

3000 kg
CO_2 savings per year based on country-specific emission factors

Anthracite G001

Customer:	Heußner + Nuhn, Bad Hersfeld
Architects:	Rolf Uwe Schönewolf, Bad Hersfeld
Project realization:	2020
Location:	Bad Hersfeld, Germany
Building typ:	Public building/ Renovation
Facade area:	85.4 m^2
Number of modules:	81 modules
Plant power:	11.34 kWp
Color:	SKALA Anthrazite G001
Project partners:	SwissFassadenTechnik AG, Bern
Photos:	Albrecht Voss

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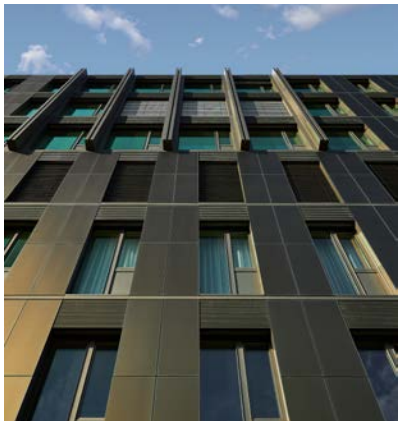
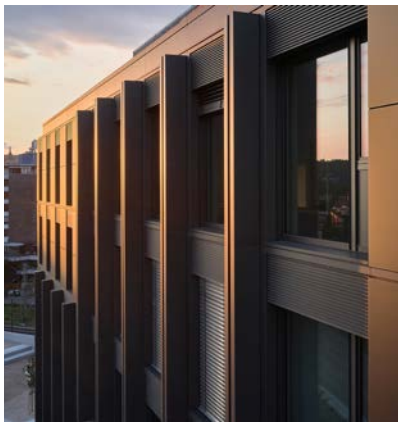
NEW OFFICE BUILDING / COMMERCIAL BUILDING

Westspitze in Tübingen





Seven storey office building in new wood-concrete hybrid construction with mixed use of office space, medical practices and other services. The cladding material of the energy efficiency house is a solar facade made out of bronze SKALA modules.

50.43 MWh
Energy yield per year

17800 kg
CO_2 savings per year based on country-specific emission factors

Bronze 3001

Customer:	pro.b Projekt GmbH & Co.KG, Tübingen
Architects:	a+r Architekten, Tübingen
Project realization:	2020
Location:	Tübingen, Germany
Building typ:	Commercial Building
Facade area:	659 m^2
Number of modules:	634 modules
Plant power:	82.42 kWp
Color:	SKALA Bronze 3001
Project partners:	SwissFassadenTechnik AG, Bern
Photos:	Albrecht Voss

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INDUSTRIAL BUILDING

Campus Aqua in Büsserach

New warehouse surrounded by a complete solar facade mounted on the north, east, south and west facade. The solar facade is composed of green SKALA modules in standard size combined with customized lengths covering 70 % of the energy self-consumption of the building.

90 MWh
Energy yield per year

1200 kg
CO_2 savings per year based on country-specific emission factors

Green 4002

Customer:	Solvatec Agola AG, Basel
Architects:	Jeker Architekten SIA AG, Basel
Project realization:	2020
Location:	Büsserach, Switzerland
Building typ:	Industrial building
Facade area:	1432 m^2
Number of modules:	1359 modules
Plant power:	176.67 kWp
Color:	SKALA Green 4002
Project partners:	SwissFassadenTechnik AG, Bern
Photos:	Albrecht Voss

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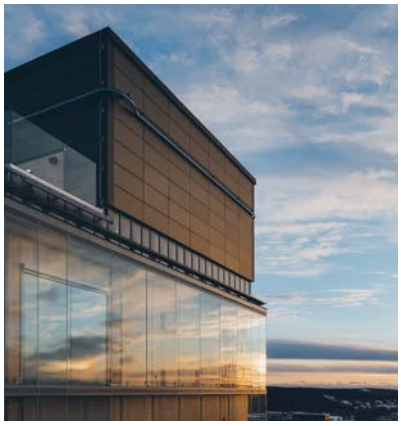
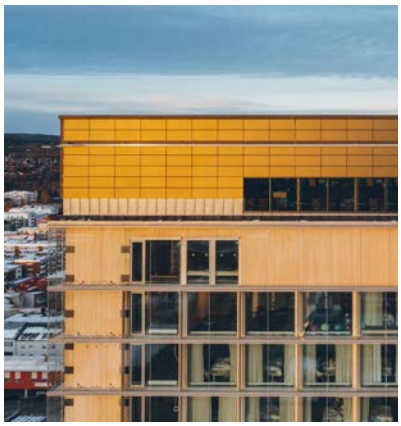
SECOND LARGEST WOODEN SKYSCRAPER IN THE WORLD

Sara Kulturhus in Skelleftea





This new multi-purpose building was constructed entirely of wood. Our bronzecolored 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

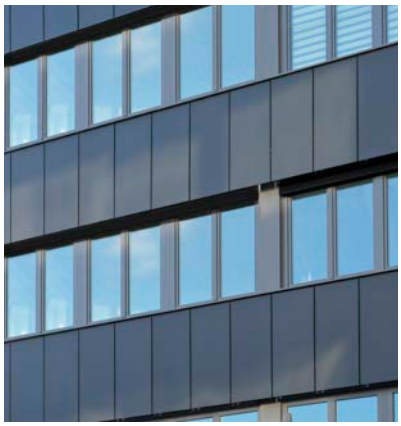
100 kg
CO_2 savings per year based on country-specific emission factors

Bronze 3001

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
Color:	SKALA Bronze 3001
Project partners:	elektroBAU Dresden GmbH
	SCHRAG Fassaden GmbH
Photos:	Jonas Westling

RENOVATION / RESIDENTIAL AND COMMERCIAL BUILDING

Bremer Tor in Vechta



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. integrated into the facade.

19.42 MWh
Energy yield per year

6800 kg
CO_2 savings per year based on country-specific emission factors

Anthracite G001

Customer:	Grieshop Vechta
Architects:	Bocklage + Buddelmeyer, Vechta
Project realization:	2021
Location:	Vechta, Germany
Building type:	Residential and commercial buildin
Facade area:	246.5 m^2
Number of modules:	234 modules
Plant power:	32.8 kWp
Color:	SKALA Anthracite G001
Project partners:	elektroBau, Dresden
Photos:	Olaf Rohl

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SPORTS HALL / NEW BUILDING

Three-field Sports Hall in Gronau

At the new three-field sports hall of the comprehensive school in Gronau, 536 anthracite-colored SKALA modules on three sides of the upper floor provide a visual contrast to the red clinker facade on the first floor for sustainable power generation.

37.42 MWh
Energy yield per year

13200 kg
CO_2 savings per year based on country-specific emission factors

Anthracite G001

Customer:	County of Hildesheim
Architects:	Kiefer I Sander Architects BDA PartG mbB, Sarstedt
Project realization:	2021
Location:	Gronau, Germany
Building type:	Sports hall
Facade area:	565 m^2
Number of modules:	536 modules
Plant power:	75 kWp
Color:	SKALA anthracite G001
Project partners:	elektroBAU Dresden GmbH
Photos:	Olaf Rohl

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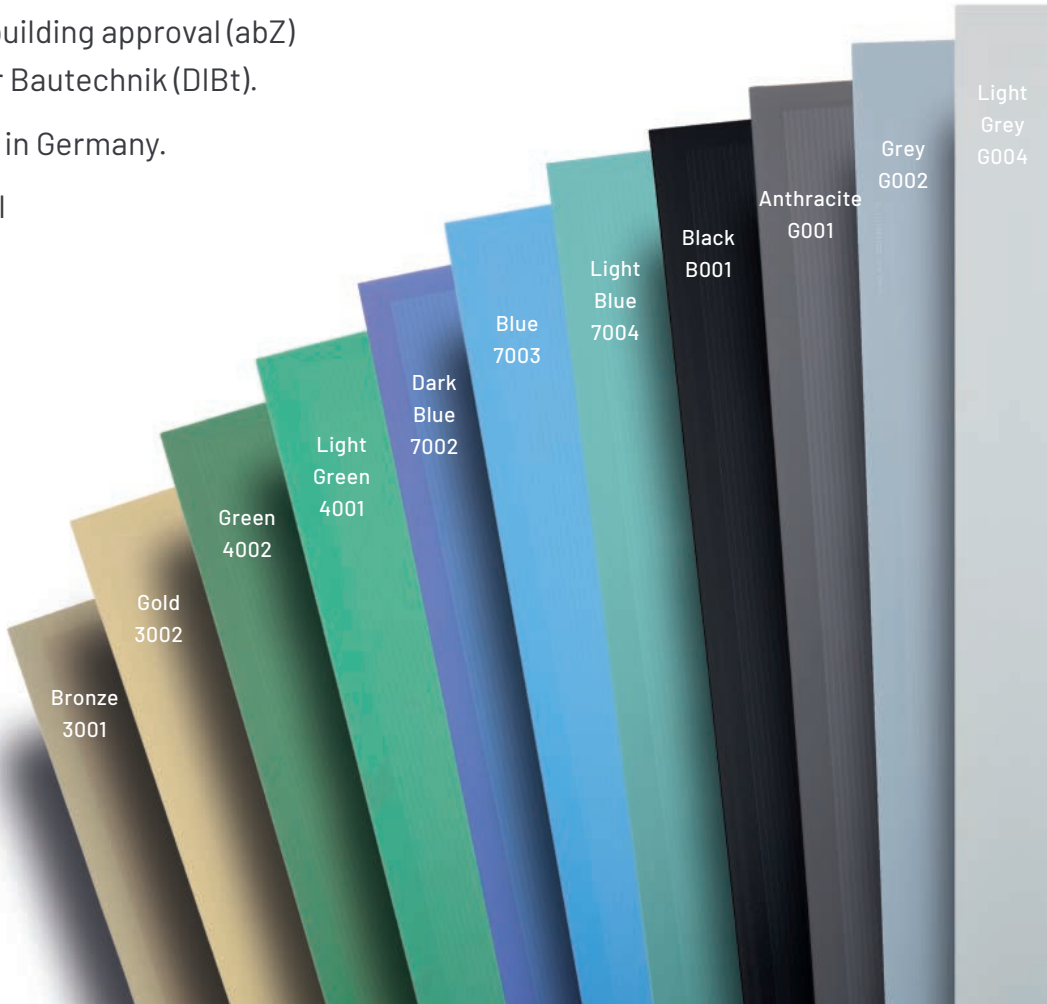
Empower your facade

SKALA

SKALA – as diverse as yur ideas

- Is a thin-film photovoltaic 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 orientation (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 certifications.
- Is available in different colors and lengths.



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