solarix

Transform every building into a powerhouse.

solarix-solar.com

We believe that well-designed solar facades will make our cities future-proof: oases with energy in abundance.

Marloes van Heteren and Reinier Bosch
Founders Solarix

We are Solarix:

one team, one mission

– and lots of ideas.

We all want beauty
Solarix believes that beautifully designed solar panels will ensure that cities become future-proof faster. Because whether it concerns roofs or facades: we all want beauty. That is why we ensure that our panels are beautiful and remain strong so that every facade will soon generate energy.

In this way, cities become oases with energy in abundance. And with all that energy we can make life more beautiful, more pleasant and, above all, greener. That's what we're going for.

About Solarix
Solarix was founded by two people with an eye for aesthetics: architect Marloes van Heteren and product designer Reinier Bosch. Since 2016, they have assembled a team of about 20 people, who all believe that making the world more sustainable will happen faster with more attention to aesthetics.

We have a team of designers, solar experts, project leaders, production staff, sales staff and financial experts. Together we make the most beautiful solar panels in the world. For the roof, in the same colour as the roof – but preferably for the facades.

Solar facades.

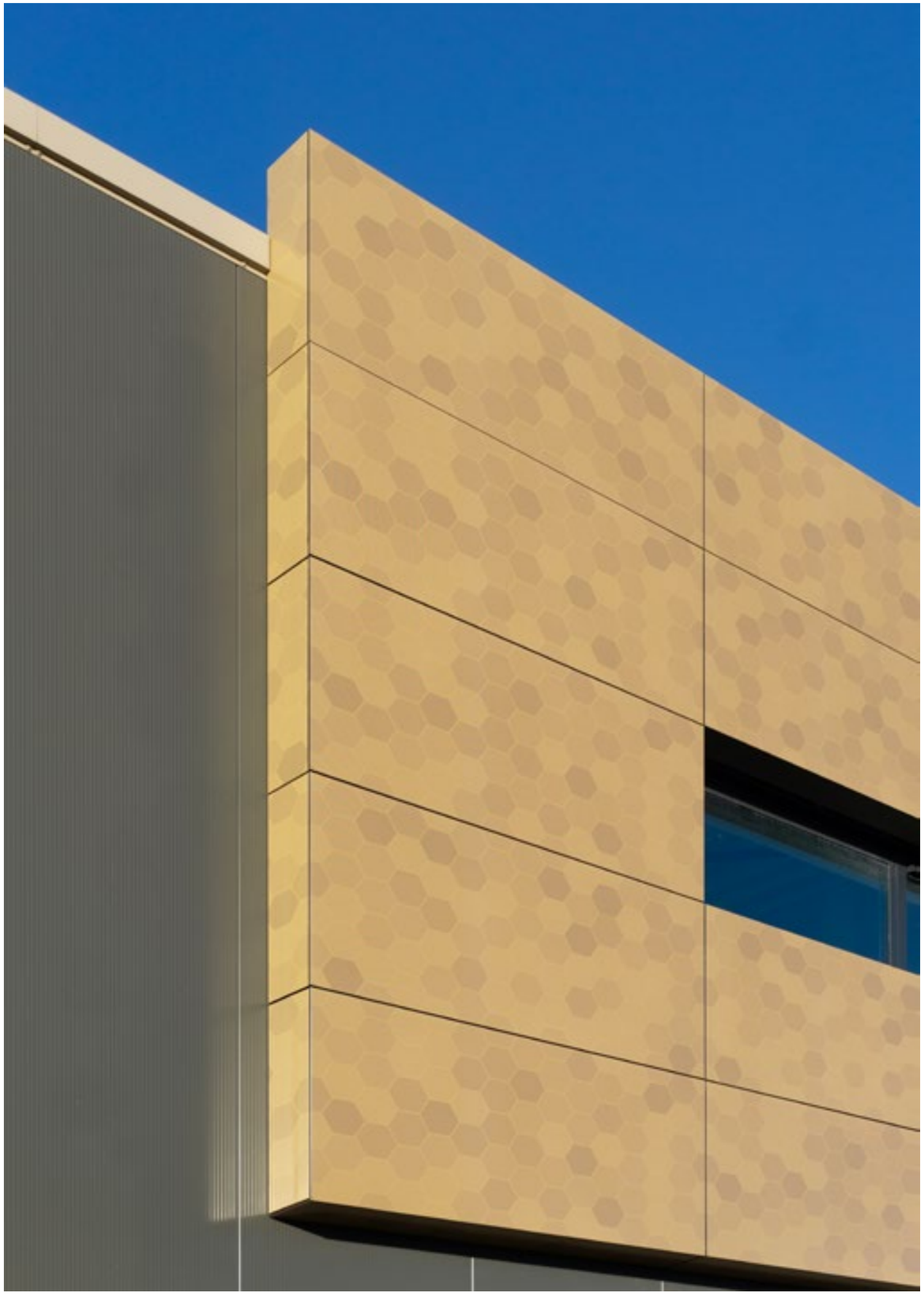
Our process starts in nature and goes via the drawing board and our assembly hall to many construction projects nationally and internationally. After this we enter into partnerships with architects, developers, builders and installers.

We have now jointly developed 78 different panel designs, a unique colour technology and a patented mounting system. Everything to ensure that we can all live in smarter, more beautiful, but above all, greener cities. Cities full of positive energy.

Our partners
We are proud to work together on advanced solar facades with top architects and developers at home and abroad.

VMX ARCHITECTS
COMMUNICATING COMMUNITIES
UNS UNSTUDIO
EDGE
jebber
VORM
Kuijpers
VAN MERLO DINKO
dok architecten
real estate 3W
VAN WIJNEN
mor studio
bam
Gemeente Amsterdam
Rijnboutt
adyen
CAIRN | Schroders capital
broekbakema
CRA VASTGOED
MIDDELBURG
VenhoevenCS architecture + urbanism
TNO

Solar Design
is a step forward
towards a beautiful and
climate-neutral living
environment.



Together we accelerate the energy transition.

At Solarix we want to make a significant impact on the global energy transition by drastically reducing the CO_2 impact of construction and thus taking steps towards circular construction. After all, more than 36% of all CO_2 emissions come from the built environment. And our solar panels can significantly prevent those emissions.

Solar facades are sustainable and financially smart

01 Generate locally renewable energy at the right place and time where you need it.

02 Improved energy balance for the grid: energy is generated more evenly throughout the day because of the different angle of sunlight on the facades than on the roof, resulting in a more even distribution of energy generation.

03 Generate energy when the energy price is higher: at the start and end of the day.

04 Made with raw materials that are more energy-efficient to produce than many of the traditional building materials, such as brick or steel.

05 The energy transition requires less valuable agricultural land for solar fields.

06 Prevent energy loss as less energy needs to be transported. In fact, a fully renewable energy chain provides 40% energy savings for the end user. Our solar facades help with that.

07 Fewer construction resources are needed in the building, because other facade materials and PV roof systems are replaced.

08 We make room for greenery and roof gardens instead of solar roofs.

09 Ensure that every building, old or new, small or large, meets the BENG and/or label C standards

10 Solarix facade panels are easily replaced individually.

The potential is endless.

Imagine a world where all facades generate energy. With this we will make giant steps in reducing CO_2 emissions, realizing sustainable cities and leaving more room for nature in the process.

Our vision is that 100% of all new construction will have solar facades by 2028, and we make 25% of them. And that's just in the Netherlands. Imagine the possibilities!

10,000 m² of Solarix solar facade is equivalent to

an emission reduction of **30,000,000 kg of CO_2** over its lifetime,

or the CO_2 absorption of **30,000 growing trees**

Comply with sustainability regulations.

It is of course crucial that every building meets the various sustainability requirements. Solarix solar facades will helps you to obtain the right energy label and achieving BENG, BREEAM and LEED.

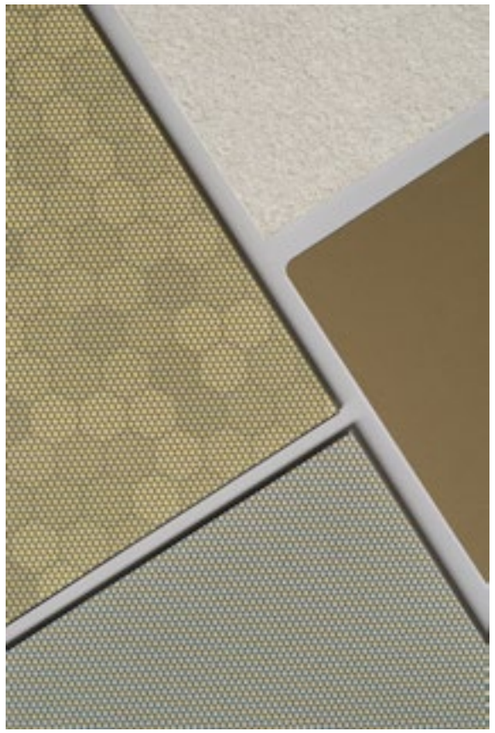
The solarix team can assist you in your sustainability regulations requests. We compare the requirements and possibilities for the facade and optimize the effectiveness of the energy output with the dimensions and colours of our PV panels.

Our product is included in the national environmental database

Our panels for the DSM-firmenich headquarters is listed on the Nationale Milieudatabase with an outstanding environmental cost score of only €13.70. This ranks as one of the top scores in the solar market, showcasing our dedication to sustainability.

In our journey towards a greener future, we've made a significant step forward by completing an Environmental Product Declaration (EPD). This achievement is our first step towards fully understanding and enhancing our solar panels' environmental performance. An EPD assesses the environmental impact across the entire lifecycle of a product, from the extraction of raw materials through to final waste processing.

Facades are the energy sources of the future.



Business case: It generates energy (and money)

The aesthetic addition of Solarix panels and sustainability of the facade increases the real estate value and rentability of a building. In addition, by generating energy, the additional costs compared to a regular aluminum facade are recouped in 7 to 15 years (depending on the orientation). This means earning money with the facade instead of incurring costs. No other facade does that.

Solar Design panels.

High-performance solar panels
with unparalleled design

The city of tomorrow faces many challenges: greener, healthier and smarter. Technology has given us many opportunities. Yet technology is not the answer to the future but it is what we - as human beings - do with it. In addition to the regular solar panels, Solarix is one of the first to pioneer in the development of solar panels for the facade. Applying solar panels to the facade gives more design opportunities for architects and developers to create totally smart buildings. Combine beauty, data and smart use of space and connect between the city, buildings and people. Solar design facades contribute to the realisation of ambitious climate and energy neutral goals.

Solarix solar facades are developed to locally generate sustainable energy and combine yield optimization with aesthetic look. Together with our European production partners, Solarix pays great attention to innovation and continuously improves its panels. Solarix sets itself apart by launching its own Solar Design collection. The designs do not mimic existing facade materials, such as marble and brick, but focus on new design looks, materials and colour ranges.

Solarix solar facades can be made in a wide variety of sizes and can replace almost any existing facade material. Therefore it offers a great alternative to traditional facade materials and provides more meaning to buildings by generating energy and meeting sustainability goals.

Our solar panels are suitable for both new construction and renovation projects, in the residential and commercial sector. Especially on taller buildings, from four stories up, the application of our Solar Design system is a great way to meet the demand for renewable energy and create a high-quality façade finish. There are endless possibilities to transform buildings into smart and beautiful energy-generating cityscapes.

4 standard sizes
of solar panels with an
optimal cell layout
that fits with
modular construction.

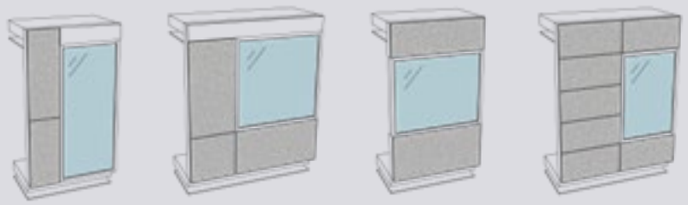
High-yield
Optimal production per m² and little losses.

CO_2 reduction
More CO_2 reduction per panel.

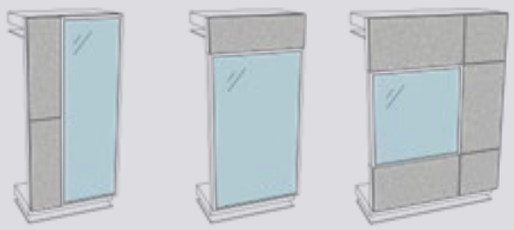
Fixed sizes
Fits perfectly with module dimensions
in the construction industry.

Cost-efficient
Lower investment with a better return.

**Examples of integration of Solarix standard panels
in office and residential buildings.**



Floor height
3000 mm



Floor height
3600 mm

Solarix standard panels.

590 x 1190 mm

178 Wp/m² black
±134 Wp/m² colour

590 x 1790 mm

189 Wp/m² black
±142 Wp/m² colour

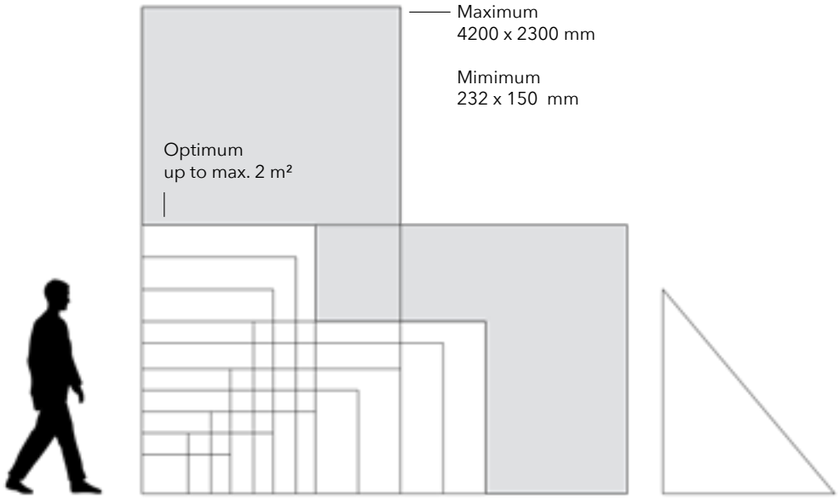
890 x 890 mm

196 Wp/m² black
±147 Wp/m² colour

890 x 1790 mm

191 Wp/m² black
±144 Wp/m² colour

Bespoke solar panels for eye-catching buildings.

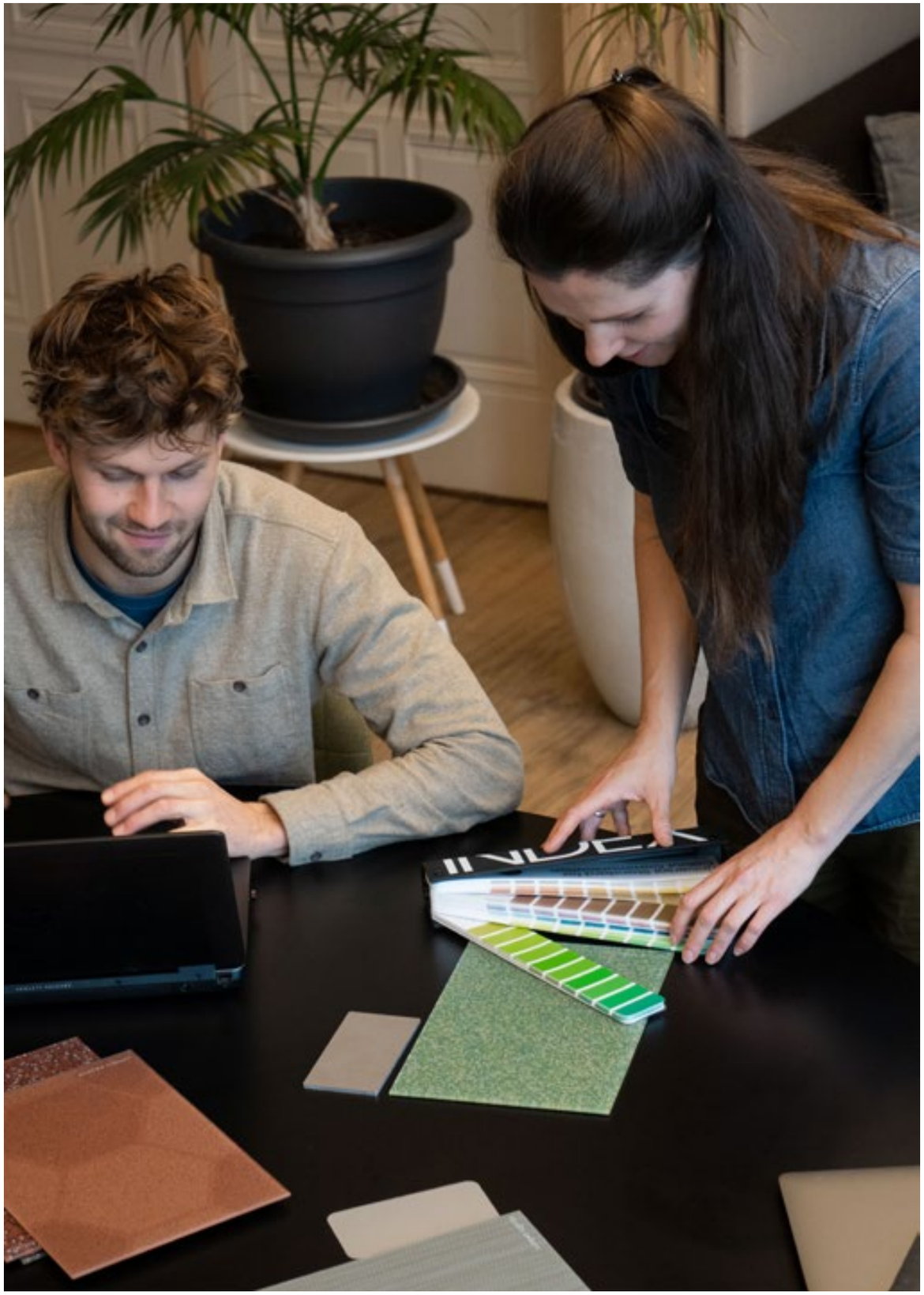


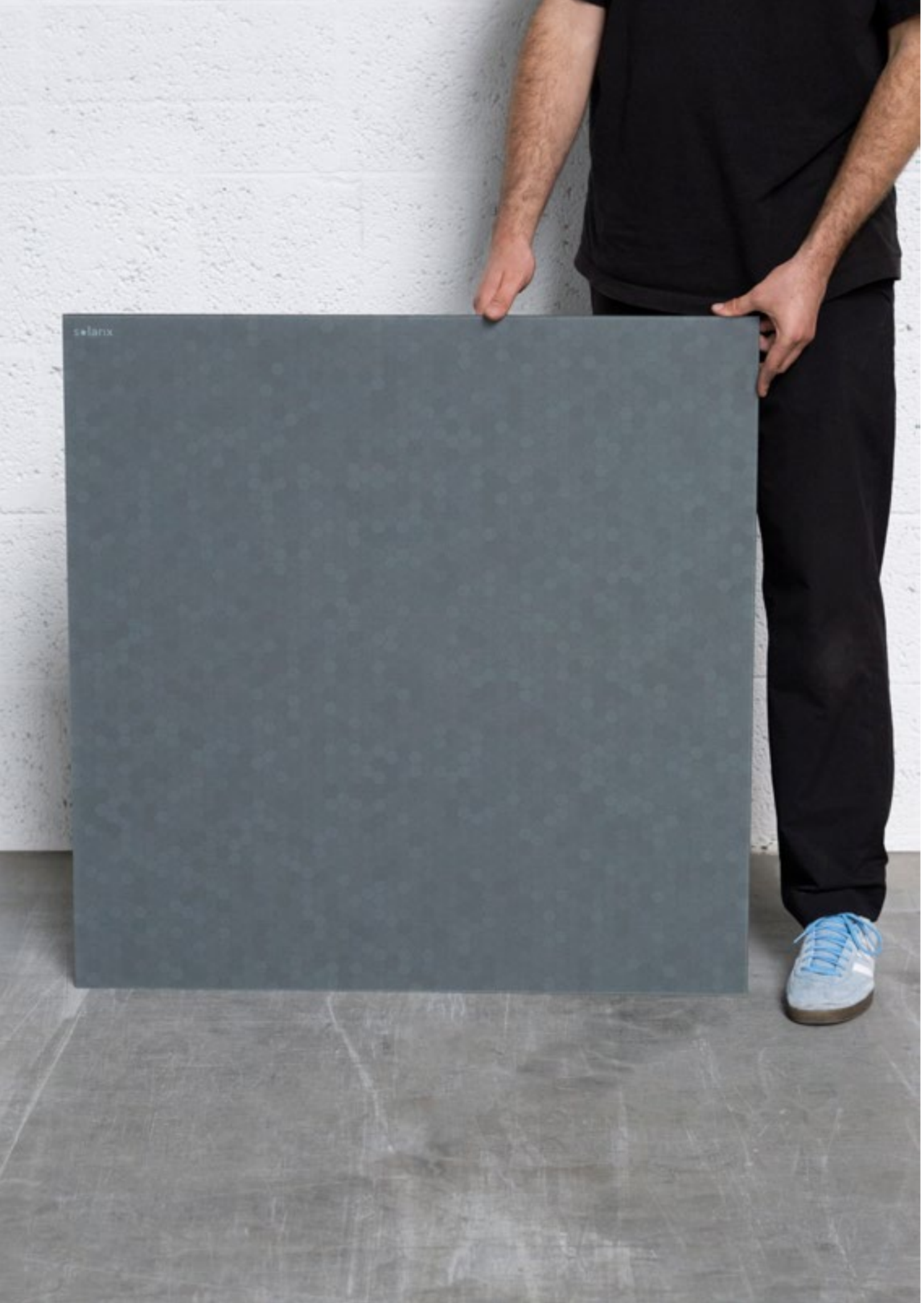
Fitting panel dimensions
Solarix offers a tailor-made process for architects in which we work together to develop the solar facade that seamlessly fits the project. Based on IFC models, our project team looks at the most logical solution for PV integration into the facade. We examine where the most sunlight can be harvested, where dummy panels can be supplemented, and where detailed solutions can complete the picture.

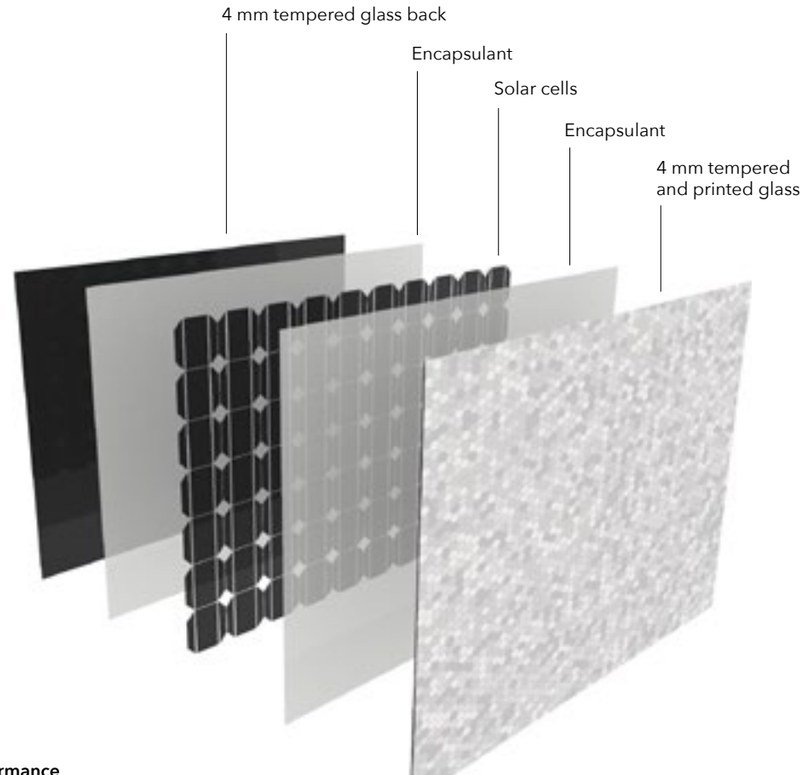
Optimal panel sizes
Solarix solar panels for facade are glass/glass panels between which the solar cells are encapsulated. The size and amount of solar cells determines the optimal dimensions of a panel and the final amount of energy generated. For each project, we look at what the desired dimensions of the solar panels are. The Solarix engineering team looks at optimal coverage of the cells in the panels and coverage across the entire facade.

Unique colours and designs
Our collections offer a wide range of colours and designs to choose from. In addition, we offer a custom design process where we work together to develop a design that fits perfectly with other materials in your building's design. This can be a design based on the collections or a uniquely developed pattern or colour.

Dummy panels
For optimal connection of solar panels in the facade design, non-active fitting pieces can be used for small sizes, in locations with permanent shade, and for few repeating sizes. These dummy panels are aesthetically similar to active panels, but contain no solar cells and are therefore less expensive. Non-rectangular panels as fitting pieces are possible and are offered as dummy panels.







Performance
- 110-190 WP per m²
- 70-90% efficiency of coloured panels compared to a black panel

Weight
- 22,5 kg per m² solar panel (based on a panel with tempered glass back)

Quality
- 10 years warranty on colour retention
- 10 years warranty for materials and processing
- 25 years warranty extra linear power output

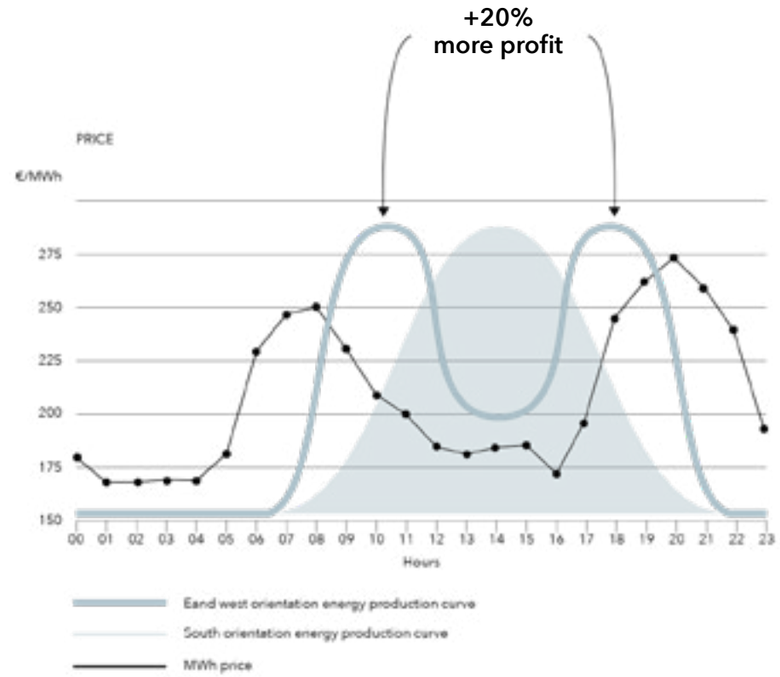
Linear power degradation warranty
First year <2%
<0.55%/year over years 2-25
85% guaranteed power after 25 years

Dimensions
- Standard sizes
- Project-specific custom sizes possible

High-quality product

The high performance solar cells are encapsulated between extremely stable tempered glass plates that guarantee reliable performance and a longevity. Our colour technologies have the best-in-class retention based on inorganic pigments that are virtually unaffected by UV radiation.

Advantages of solar facades.



Facade versus solar roof

Solar facades produce relatively more energy in the winter and less in the summer compared tosolar roofs. In the autumn, winter and spring the sun is lower in the sky, so a vertically oriented surface will receive more sun. During these times of the year, the most energy is used, so it makes sense to generate it. In other words, facade panels are very complementary to roof panels and will make electricity production more constant throughout the year. This makes the whole system more reliable.

Balancing the grid

Grid balancing has become an important aspect for the power grid to match energy supply with demand. Solar panels on the facade can contribute to a better distribution of generating energy during the day. By using all sides of the building, energy is generated more evenly throughout the day. As a result, there's less peak load on the power grid. In addition, solar façade panels can complement with other renewable energy systems, such as roof panels or wind turbines, which produce their energy at a different daily rhythm.


Let’s build
smart, colourful,
and tactile
buildings.

Solarix Colours.

White

Light granite

Dark granite

Mist blue

Midday blue

Spring

Moss

Sand

Clay

Light bronze

Bronze

Dark bronze

Ocher

Light terra

Dark terra

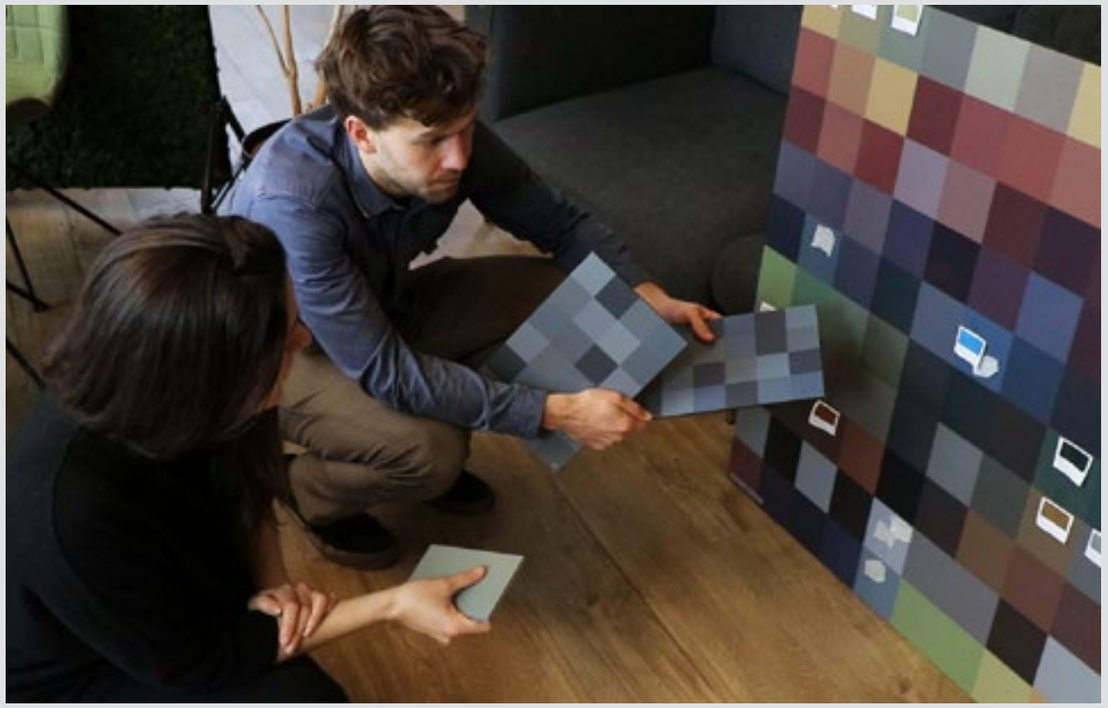
Black

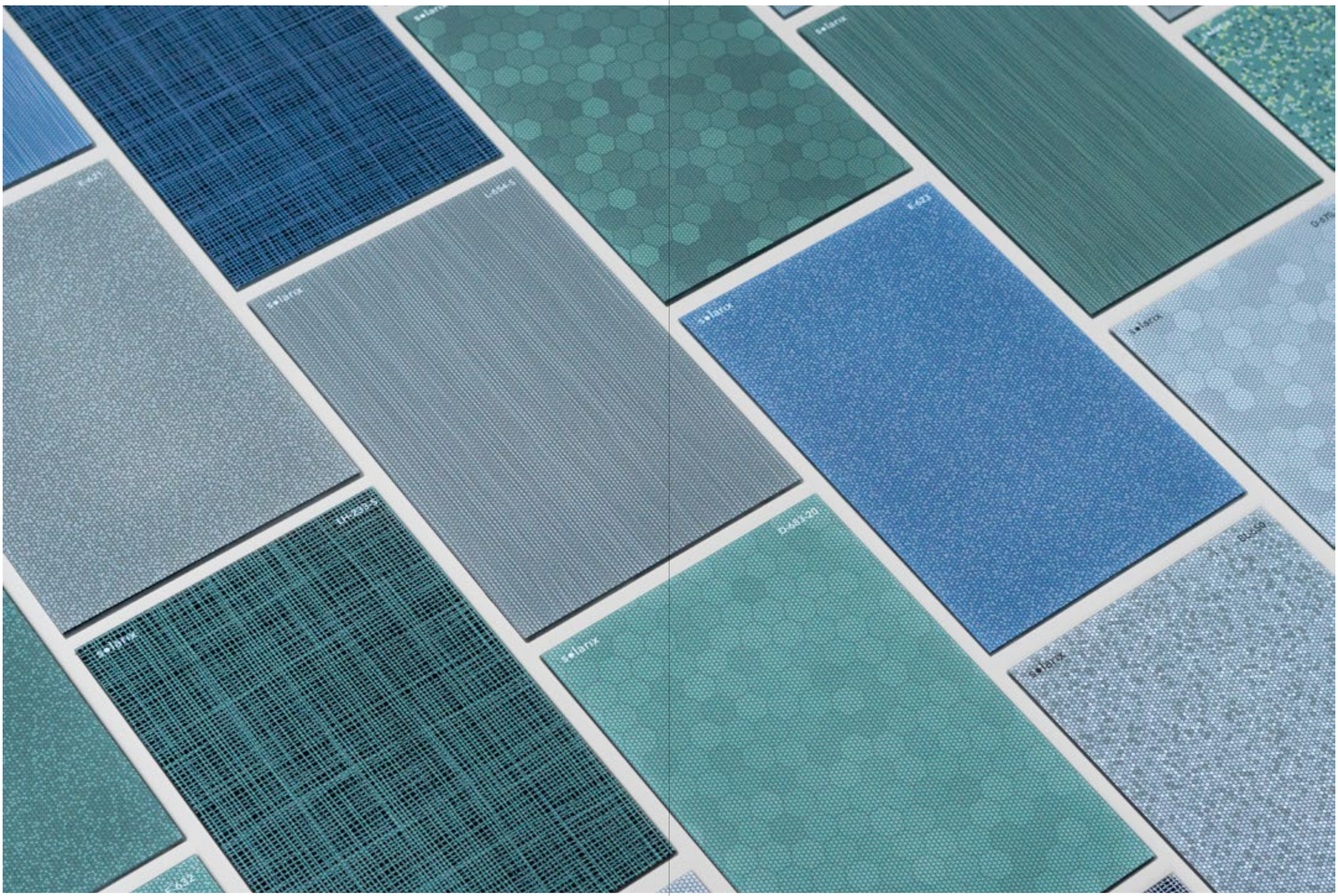
The most beautiful colours and designs for facades and roofs

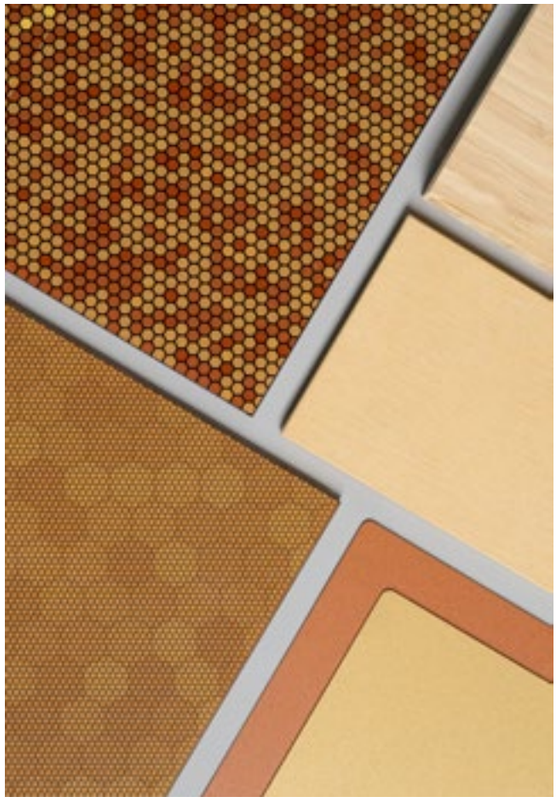
Using unique technology, Solarix produces coloured solar panels with a deep colour experience in combination with high-energy generation. The innovations in high-quality ceramic colour techniques in the Solarix colours ensure that the solar panels match perfectly with other materials in construction, such as stone, composite, wood and aluminium. Solarix has developed this technology specifically for solar panels through materialization of the colours.

Bespoke colouring

Our collections offer a wide range of colours and designs to choose from. We also offer a tailor-made design process where we work together to develop a design that perfectly matches other materials in the design of your building. This can be a design based on the collections or a uniquely developed pattern or colour.




solarix
E-631
L-654-S
E-623
UH-233-S
D-481-20
BL-650



Developing our collections.

View all our collections online

Solarix is driven to develop facades where aesthetics and sustainability go hand in hand. Our team works on innovative developments for colouring energy-generating facade panels. Here, we pay great attention to the right structure and materialisation of the colours in combination with high efficiency. Solarix is the only company in the world that profiles itself with unique and in-house developed collections for panels. The designs are developed together with renowned designers, architects and our engineers who combine concepts, craftsmanship, modern techniques and aesthetics. This multidisciplinary exchange creates a whole world of new revolutionary possibilities for facades.

Designed in combination with the finest building materials

The colours of our Solar Design panels have been developed to best match other architectural materials. For example, we offer combinations with aluminium composite and fibre cement. Many other materials are possible in consultation.

Dot collection.

D-670
Light granite

D-671
Dark granite

D-672
Mist blue

D-673
Midday blue

D-683
Spring

D-684
Moss

D-674
Sand

D-675
Clay

D-676
Light bronze

D-678
Bronze

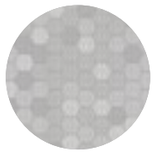
D-679
Dark bronze

D-680
Ocher

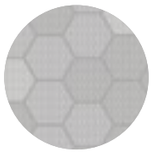
D-681
Light terra

D-682
Dark terra

Available in two design sizes



20 mm

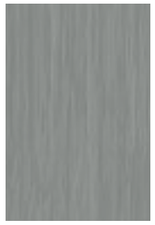


50 mm

Dot is the first collection in Solarix Colours, an extensive selection of solar façade panels where colour and depth perception are the starting point. In their search for a vibrant colour experience, the Solarix design team was inspired by the structure of textiles in which different shades, colours and yarns are combined for depth perception. The Dot collection gives Solar Design facades a tangible and vibrant colour experience, both from afar and up close.

Line collection.


L-653
Light granite


L-654
Dark granite


L-655
Mist blue


L-656
Midday blue


L-665
Spring


L-666
Moss


L-657
Sand


L-658
Clay


L-659
Light bronze


L-660
Bronze


L-661
Dark bronze

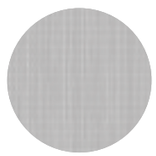

L-731
Ocher


L-663
Light terra


L-664
Dark terra

Applicable as lines or as a mesh

Available in three design sizes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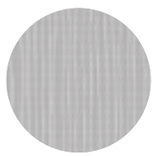
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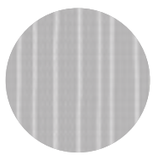

L

After the Dot collection, Solarix introduced the Line collection in 2021. This collection of ceramic-coloured panels for the facade was designed with nature in mind. By looking at the grain structures on leaves, she began to apply textures to the panels through hand-drawn lines and colours. By keeping imperfections in the drawn lines, a natural pattern is created, giving the façade a personal and natural feel as you walk past it. Within the collection, lines are used in different ways and combined with colour. The Line collection offers endless possibilities for Solarix to develop unique patterns for the facade.

Line - High efficiency collection.


LH-221
Light granite


LH-222
Dark granite


LH-223
Mist blue


LH-224
Midday blue


LH-233
Spring


LH-234
Moss


LH-225
Sand


LH-226
Clay


LH-227
Light bronze


LH-228
Bronze

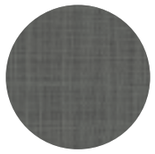

LH-229
Dark bronze


LH-230
Ocher


LH-231
Light terra


LH-232
Dark terra

Available in three design sizes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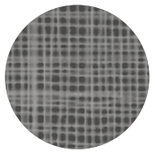
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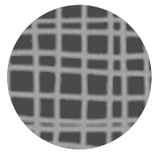

L

Higher yields, with beautiful subtle coloured lines

Hand-drawn lines and colours are applied directly to the panels, giving the panels a subtle colouring. By preserving imperfections in the drawn lines, a natural pattern is created, giving the facade a personal and natural feeling when you walk past it.

Mono collection.

M-636
Light granite

M-637
Dark granite

M-638
Mist blue

M-639
Midday blue

M-648
Spring

M-649
Moss

M-640
Sand

M-641
Clay

M-642
Light bronze

M-643
Bronze

M-644
Dark bronze

M-645
Ocher

M-646
Light terra

M-647
Dark terra

The Mono collection offers colours that provide an even colour appearance to the facade. This collection is based on the Solarix colours, in which the base colour is strengthened and intensified by a rhythmic repetition of an accent colour. The lighter supporting colour provides a fresher and lighter colour appearance.

Effect collection.

E-214
Light granite

E-621
Dark granite

E-622
Mist blue

E-623
Midday blue

E-632
Spring

E-633
Moss

E-624
Sand

E-625
Clay

E-626
Light bronze

E-627
Bronze

E-628
Dark bronze

E-629
Ocher

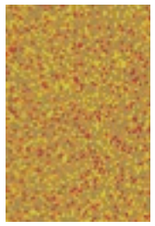
E-630
Light terra

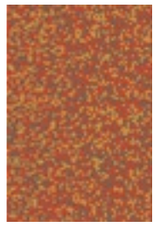
E-631
Dark terra

The Effect collection offers colours that provide even colours with a subtle material effect for the facade. This collection is based on the Solarix colours, in which the base colour is strengthened and intensified by a twinkling accent colour. The lighter supporting colour provides a material effect, so the solar panel will match well with other applied materials in the facade.

Blend collection.


BL-157


BL-204


BL-207


BL-650


BL-202


BL-206

A blend of colours that creates a lively facade

The blend collection is made up of a melange of colours that give the solar panels a lively colour image. Colours respond alternately to light, making the façade panels blend well with other materials in the façade. The mix of colours gives depth to the façade from afar and a mixed look up close.

Metallic collection.

ME-671000L
Champagne

ME-811036L
Bronze

ME-750744C
Forrest green

ME-600626C
Silver grey

ME-701212C
Bright blue

Dynamix colour experience

The popularity of metallic colours and coatings in architecture is unprecedented, and for good reason. The reflective properties of metallic colours provide a dynamic colour experience that changes depending on the angle of light. This gives buildings a lively and intriguing appearance.

Combining these properties with the power of solar energy creates a symbiosis of functionality and aesthetics. Metallic coloured solar panels integrate seamlessly into the facade, giving architects the freedom to realize bold designs without compromising on sustainability.

White collection.

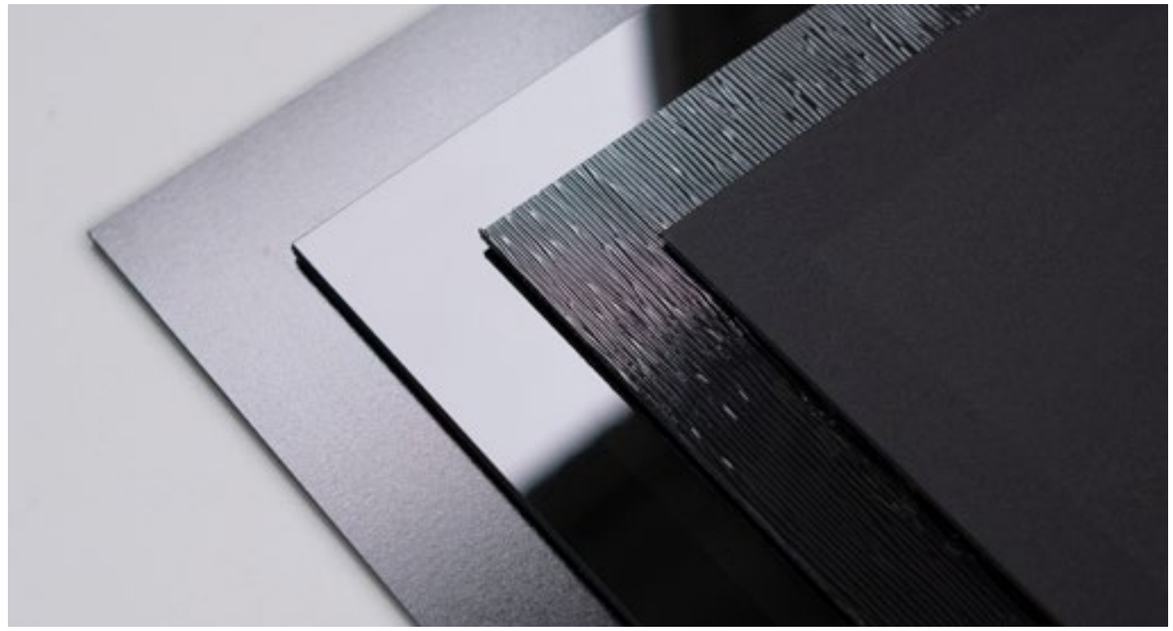
White solar panels for buildings with a fresh look

White is a highly sought-after colour for facade panels in building design because it gives a fresh and bright appearance. However, it is also the most challenging colour to develop for solar panels, as the black of the solar cells becomes part of the colour experience. After extensive testing, we proudly present our white solar panels, available in two versions: full colour or with our standard mesh for higher efficiency. Perfect for buildings that are already white or need to maintain a white appearance during redevelopment. It is also an ideal choice for new construction projects that want to integrate white into the design.

W-688

W-689

Black collection.



Black solar panels with high yields and a beautiful appearance for the facade

We believe that black is a colour that should not be ignored when developing aesthetic solar facades for the built environment. However, we still want to ensure that our collections help architects and developers develop beautiful cities, which means making sure the facades do not look overtly like solar panels. In Solarix black solar panels, the solar cells are minimally visible and they have been developed with glass types that give the façade different looks: glossy, matt, suede and structured.

Black-Matt-Snow

Black-Glossy

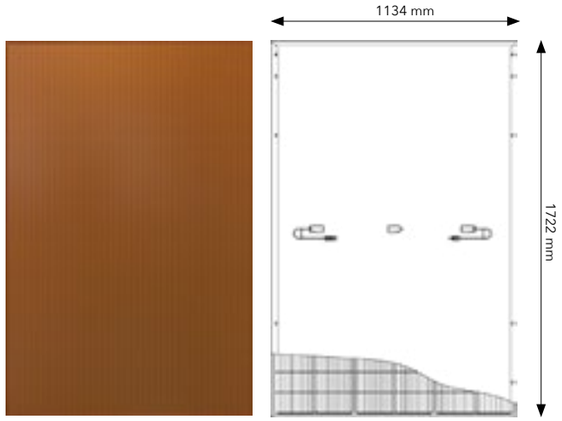
Black-River-Relief

Black-Suede

Terracotta-coloured solar panels in thin frames. Neatly matches the tiled roofs of historic buildings – or new construction.

The roof of a building is important for the appearance of the building. That is why Solarix has developed a terracotta solar panel that can be used on the roof as an alternative to the commonly used black solar panels on the roof. This solar roof panel fits in nicely with the orange roof tiles common in the Netherlands, and also complements other common roof and facade materials such as brick.

With the terracotta solar roof panel, no building needs to compromise on aesthetics anymore. Therefore, as far as we are concerned, there is no longer any reason not to make buildings more sustainable. So that every building, old or new, small or large, can be energy-neutral by 2030. And every city will soon be an oasis full of abundant energy.

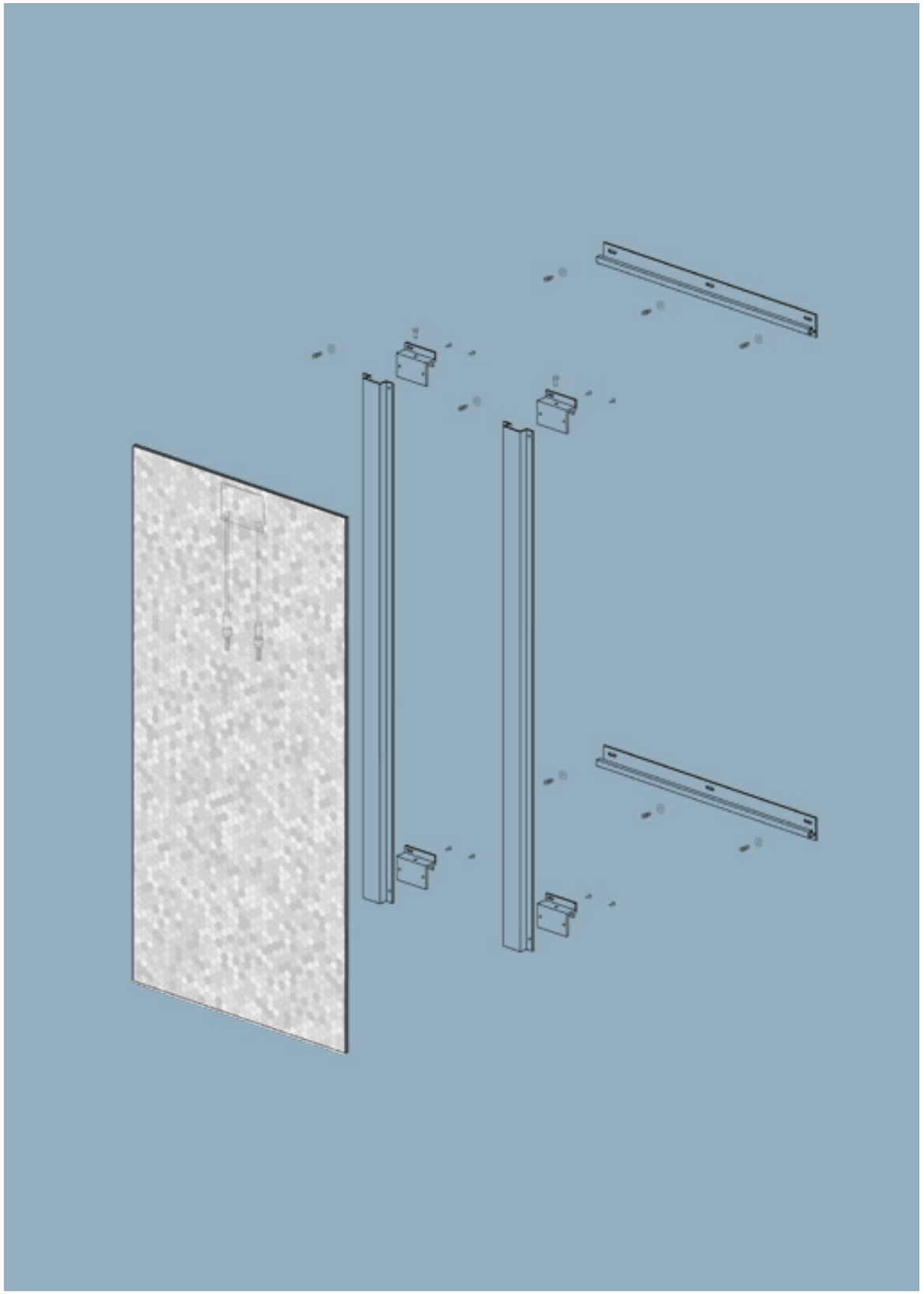


Maximum power per panel
355 WP

Dimensions
1722 x 1134 x 30 mm

Type
Half-cell N-type Terra module

Module technology
Glass-backsheet, with coloured frame



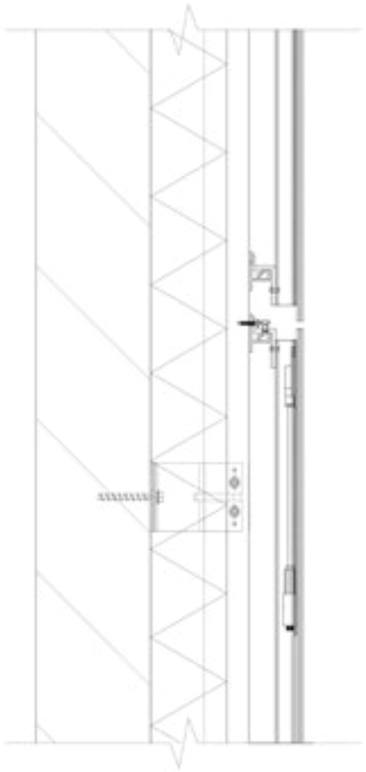
Solarix

Mounting System.

A patented facade mounting system with individually removable panels for extra ease of installation.

Download the installation manual, details and DWG's in our download center:

solarix-solar.com/downloads



- Panels are individually removable and replaceable
- Designed with less material
- Invisible mounting system
- Great freedom in dimensions
- Lightweight
- 80% recycled aluminium
- Suitable for new construction and renovation

The Solarix facade mounting system has been specifically developed to simplify the challenges associated with installing solar panels on the facade, such as E-installation, weight and replacement. The plug-and-play system has been designed with circularity in mind: it uses less aluminium per m² and is therefore lighter, panels are individually removable, and the system consists of 80% recycled aluminium'.

To match the aesthetic added value of Solarix solar panels, the mounting system is slim, with a depth of 60 mm between the panels and the facade. This means that minimal space is lost in the gross floor area of the building.

Everything to make installation strong, fast and flexible.

Projects.

Together with building owners, project developers and architects we work towards achieving ambitious sustainability targets with your facade.

Solarix Solar Design facades are eye-catching sustainable facades with a revenue model for existing real estate, redevelopment and new construction. We do not only realise the facades but also provide additional services to arrange Solar Design projects from A to Z, like design, engineering, mounting, installation and also maintenance contracts.

Over the last few years we have worked together with clients such as: Edge, Jebber, Bam, Broekbakema, VMX architects, Schroder capital, Kuijpers, Van Wijnen and the municipalities of Amsterdam and Maastricht.

Comply with sustainability regulations
It is of course crucial that every building meets the various sustainability requirements. Solarix solar facades can contribute to achieving BENG, label C and labels such as BREEAM or LEED.

Solar Design is in our genes: architects, designers and electrical engineers work together in our company. Our team thinks along in solutions: from just a panel to the complete facade solution for a building or area. We energetically collaborate with architects and clients and work as quickly as possible in the construction process by applying the right knowledge and principles. We work with you to develop a new facade that supplies energy, reduces your CO_2 footprint and generates revenue in the long term.

It generates energy (and money)
The aesthetic addition of Solarix panels and sustainability of the facade increases the real estate value and rentability of a building. In addition, by generating energy, the additional costs compared to a regular aluminium facade are recouped in 7 to 15 years (depending on the orientation). This means earning money with the facade instead of incurring costs. No other facade does that.

Calculate the bussiness case of the facade in our SolarCheck
A SolarCheck gives you an initial non-binding advice on a building. Based on satellite data, we provide an estimate of how much energy your facade can generate in a year. We analyse the orientation of the building in relation to the sun, the optimal surface area for panels on the facade and the potential CO2 savings. In addition, we show in broad terms what the investment will be and what the return will be.

DSM-Firmenich head office - Maastricht

Type of project:	**New construction**
Status:	**In Development**
	Realisation in 2024
Client:	**Edge & 3W Real Estate**
Architect:	**Broekbakema**
M2 Solarix panels:	**521 m² (465 m² active)**
Yearly generated energy:	**36,000 kWh per year**
Yearly CO2 reduction:	**26,772 kg CO_2**
Equals to an amount of:	**1152 trees**

DSM-Firmenich has fully anchored sustainability in the company and, in close collaboration with real estate developers EDGE and 3W real estate , is creating a new, innovative and inspiring head office that is completely 'Paris-Proof'. With the new head office, DSM-Firmenich wants to contribute positively to the development of the immediate environment.

The building will have a completely contemporary appearance in which transparency, light and space are central.

The generation of solar energy is one of the most important pillars for making the building energy-neutral. Solar panels are used on both the roofs and the facades of the new construction as part of the total energy concept and to balance energy yields.

Villa Lichtenberg - Amersfoort

Type of project:	**New construction**
Status:	**Realised in 2023**
Client:	**Private**
Architect:	**Willem van Winsen**
M2 Solarix panels:	**140 m² (129 active m²)**
Yearly generated energy:	**9,600 kWh per year**
Yearly CO2 reduction:	**7,143 kg CO_2**
Equals to an amount of:	**307 trees**

Villa Lichtenberg is designed as a sustainable home that is low in energy use and maintenance with a combination of unique qualities. The villa is located in a rolling green landscape with a double living floor downstairs, a bedroom floor above and a roof structure.

Solarix was asked to work with architect Willem van Winsen and the clients to design the facade of the bedroom floor as an energy-generating facade. The appearance and distribution of the facade panels was important, without the association with standard solar panels. The result is a rhythmic pattern of various custom-made coloured design solar panels in the facades.

De Kikker - Amsterdam

Type of project:	**Redevelopment**
Status:	**Realised in 2024**
Client:	**Municipality of Amsterdam**
Architect:	**Dok Architects**
M2 Solarix panels:	**1444 m² (1373 m² active)**
Yearly generated energy:	**67,000 kWh per year**
Yearly CO2 reduction:	**249,829 kg CO_2**
Equals to an amount of:	**2144 trees**

The renovation of De Kikker, originally designed by Liesbeth van der Pol of DOK architects, is an initiative of the Municipality of Amsterdam. In the summer of 2024, the building underwent a complete metamorphosis. The outdated, bright green plating made way for custom-made, colorful solar panels from Solarix. Dok Architects, as the original architect, was approached by the municipality and engaged Solarix to design a new, suitable color scheme and facade solar panels that seamlessly match the renewed design.

Baobab building - De Kwekerij - Utrecht

Type of project:	**Redevelopment**
Status:	**Realised in 2024**
Client:	**Jebber**
Architect:	**MOR Studio**
M2 Solarix panels:	**1352 m² (917 active m²)**
Yearly generated energy:	**105,000 kWh per year**
Yearly CO2 reduction:	**78,086 kg CO_2**
Equals to an amount of:	**3360 trees**

Sustainability, climate adaptation and energy saving are important spearheads for the redevelopment of the former data center in De Kwekerij. Less waste and a rapid transformation through maximum reuse of the existing concrete, elevator, stair constructions and steel facade panels. The new materials used in the facade are mainly black, aesthetic solar panels. In this way, a sustainable second skin is placed around the building, giving the building a sturdy, robust appearance and also acting as an power plant.

City Theatre - Middelburg

Type of project:	**Redevelopment**
Status:	**Realised in 2022**
Client:	**Municipality of Middelburg**
M2 Solarix panels:	**40 m²**
Yearly generated energy:	**3,460 kWh per year**
Yearly CO2 reduction:	**2,572 kg CO_2**
Equals to an amount of:	**110 trees**

Want to make a building more sustainable in a beautiful way? That's possible! On behalf of the municipality of Middelburg, Solarix has made the city theatre in the historic city more sustainable. With this project, the municipality wants to show that it is also possible to generate sustainable energy in an architecturally valuable building in a historic environment.

During the design process, Solarix took the existing architecture as a starting point. The colours in the brickwork and window frames and the function and appearance of the building were examined. The vertically placed panels therefore decorate both sides of the main entrance of the theatre, like wings.

One Helix - Amsterdam UMC

Type of project:	**New construction**
Status:	**In development**
	Realisation in 2025
Client:	**De Vries en Verburg**
Architect:	**UNStudio**
M2 Solarix panels:	**934 m² (862 m² active)**

UNStudio has designed One Helix, the highly sustainable new European headquarters for Neogene Therapeutics. The 6,515 m2 building - a combination of laboratory and offices with supporting functions and amenities - is being developed on the Amsterdam University Medical Centre (Amsterdam UMC) campus.

Light grey Solarix panels decorate the entire top band around the building, in addition, there are suede black panels on the 5 wings that decorate each floor level. These panels are visible from the inside on every floor.

Destined to become one of the most sustainable laboratory environments in the world
The all-electric, net energy positive building is designed to maintain net zero emissions and has achieved BREEAM Outstanding certification. The design for One Helix also targets a low embodied carbon footprint, achieving an MPG score of ≤0.6.

Kuijpers - Helmond

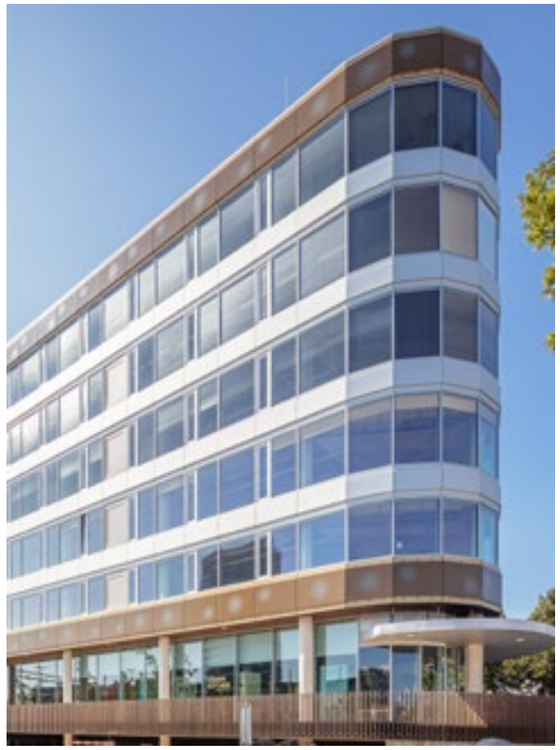
Type of project:	**Redevelopment**
Completion:	**Realised in 2018**
Client:	**Kuijpers**
M2 Solarix panels:	**130 m² (89 m² active)**
Yearly generated energy:	**5,617 kWh per year**
Yearly CO_2 reduction:	**4,172 kg CO_2**
Equals to an amount of:	**179 trees**

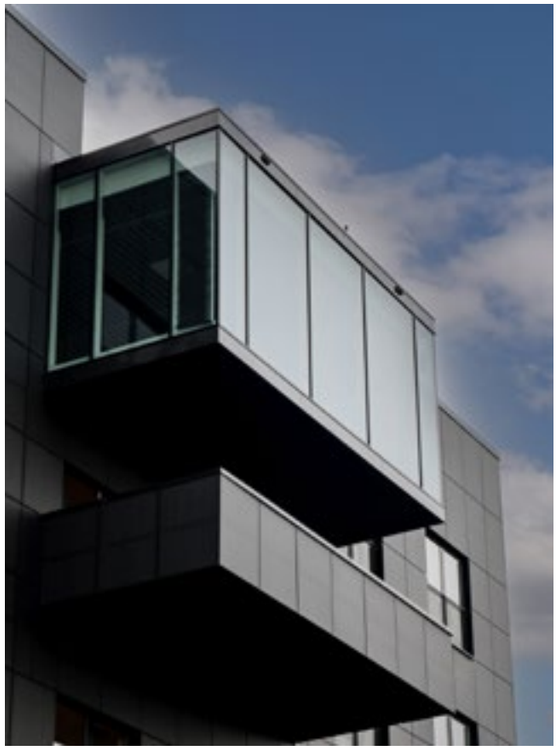
The office building of the Kuijpers engineering firm is the first in the world to use solar design in the facade. Kuijpers has been a passionate advocate for the application of this implementation right from the start. By thinking in terms of design, the redevelopment made it possible to combine the generation of sustainable energy with the creation of a new identity for the building. In the dark, the building turns into an art object. LED lighting changes colours with the seasons and gives an artistic impression to the seasonal experience.

Pharos - Hoofddorp

Type of project:	**Redevelopment**
Status:	**Realised in 2020**
Client:	**Cairn Real Estate / Schroder capital**
M2 Solarix panels:	**340 m² (215 active m²)**
Yearly generated energy:	**11,795 kWh per year**
Yearly CO2 reduction:	**8,772 kg CO_2**
Equals to an amount of:	**377 trees**

Pharos is an office building from 2003. The aim was to transform the building into the healthiest working community in Europe in which circularity and sustainable energy supply are central; the embodiment of the circular economy. Solarix was involved in the redevelopment, both as designer and facade supplier.
The panels are designed to meet the existing architecture. They consist of aluminium cassettes with integrated solar panels and LED dots. The mounting system is used for both the application on the existing part and the new build facade system. LED dots are integrated over the full length of the solar facade for a dynamic effect in the evening.

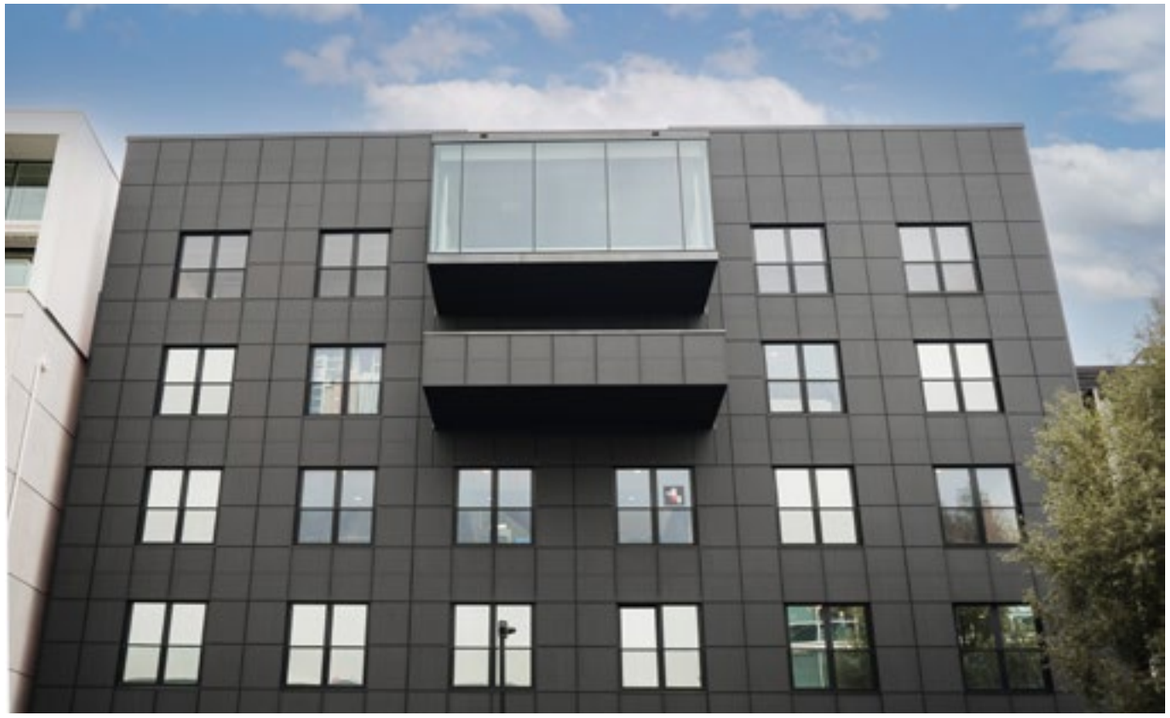




Loft Office - Amsterdam

Type of project:	**Redevelopment**
Client:	**Stone media**
Architect:	**VMX architects**
M2 Solarix panels:	**391 m2 (365 m2 active)**

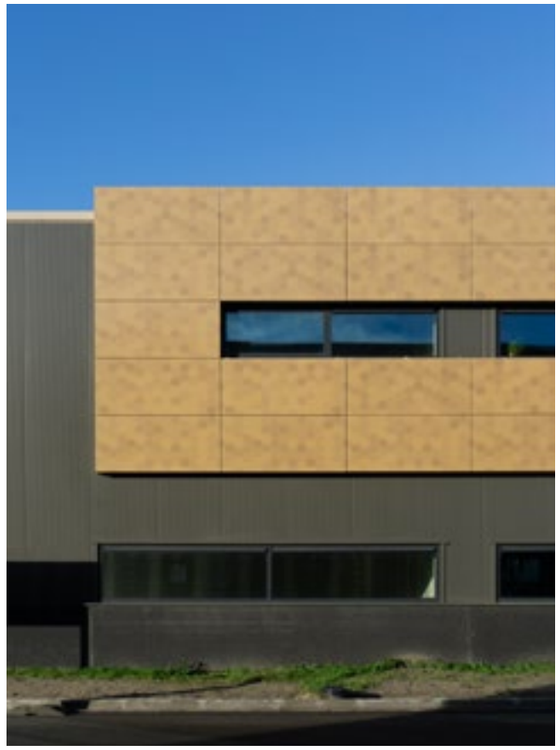
Loft Office is a striking example of sustainable innovation and aesthetic renewal. The building, originally designed by VMX Architects in 2008, will undergo a renovation and upgrade in 2024, with an extra floor to crown the building. The existing wooden rear facade needed to be replaced, which offered an excellent opportunity for the owners, Stonemedia, to opt for a fully sustainable facade with solar panels.

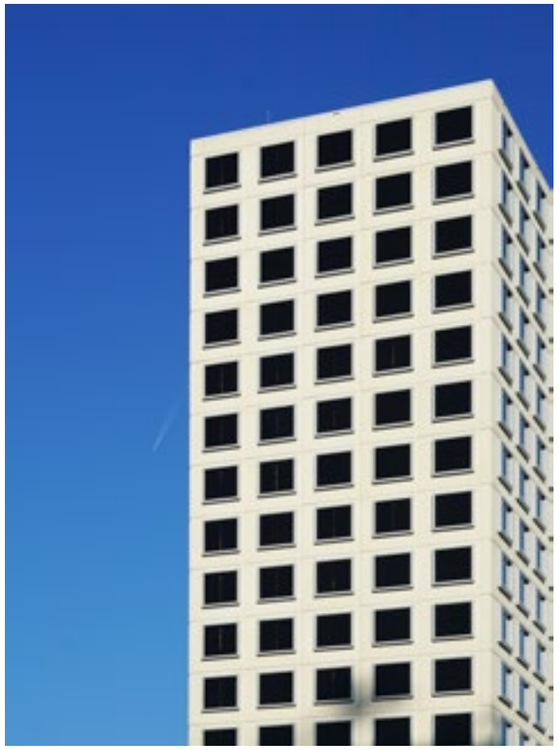


Hommersen - Zwaag

Type of project:	**New construction**
Status:	**Realised in 2024**
Client:	**Hommersen solar**
M2 Solarix panels:	**64 m² (52 m² active)**
Yearly generated energy:	**33,880 kWh per year**
Yearly CO2 reduction:	**2,886 kg CO_2**
Equals to an amount of:	**124 trees**

Hommersen Solar is an installer of solar panels and built their own sustainable business hall with office in Zwaag in 2023. In addition to the standard solar panels on the roof, the company also wanted to show that solar panels on the facade are also possible. Above the entrance, they have included a number of large coloured facade solar panels in the colour ocker. The eye-catcher of the building, but also a vision of the future of solar.





The Jay - Bajes Kwartier - Amsterdam

Type of project:	**Redevelopment**
Client:	**AM, Wattco**
Architect:	**OMA**
M2 Solarix panels:	**193 m²**

In the renewed Bajes Kwartier, Building H is being given a second life as student housing. This iconic project, developed by AM, is part of the transformation of the former Bijlmer Bajes into a sustainable, green urban district.

For the front façade, architecture firm OMA has designed an innovative solar façade that seamlessly combines aesthetics with energy generation. The façade features 130 suede-black Solarix solar panels, integrated into prefab aluminium frames, covering a total surface area of 193 m². This creates a striking architectural statement while ensuring a perfect fit with the overall design.

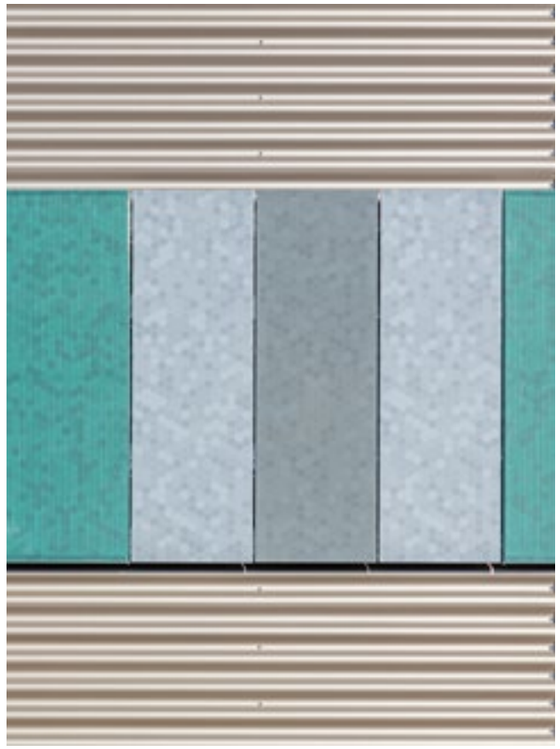
Van Happen - Eindhoven

Type of project:	**Redevelopment**
Status:	**Realised in 2022**
Client:	**Van Happen**
M2 Solarix panels:	**176 m² (170 active m²)**
Yearly generated energy:	**13,500 kWh per year**
Yearly CO2 reduction:	**10,029 kg CO_2**
Equals to an amount of:	**432 trees**

The world of waste processing is changing. Sustainability and circular thinking are important themes in the industry and for client Van Happen. Their request was a facade that also radiates these values; a facade that shows Van Happen's activities and at the same time generates energy.

The arrows in this design visualize the collection and sorting of waste by Van Happen. The arrows consist of coloured and even lightweight, circular solar panels. The project thus serves as an example of how to make industrial estates more sustainable in an attractive way.

In this project, a combination of regular glass/glass solar panels in colour with an innovative circular lightweight solar panel was chosen. Two shades of gray have been applied in an enlarged dot that match the aesthetic requirements for this area. A solar film has been developed and tested for the circular Solarix / Solarge solar panels with the same pattern in green. A Terra and ochre panels have been added at the entrance.



De Optopper - BuurtBoost

Type of project:	**New construction / redevelopment**
Client:	**Vorm**
Architect:	**BurtonHamfelt Urban Architecture**
M2 Solarix panels:	**27 m² per unit**
Yearly generated energy:	**2,950 kWh per year per unit**
Yearly CO2 reduction:	**2,200 kg CO_2 per unit**
Equals to an amount of:	**94 trees per unit**

In 2021, Solarix received the PROVADA Proptech Award from Daan van der Vorm. A year later, the first collaboration was reality with the integration of design facade solar panels in the modular housing solution: the BuurtBoost Optopper. This Plug & Play solution for affordable, sustainable homes on existing real estate is part of BuurtBoost. BuurtBoost joined forces with BurtonHamfelt Urban Architecture, DAT Bouwsystemen (VORM wood factory, Smart-2Prefab (VORM initiative), The Urban Jungle Project and Solarix. In three months they developed a full prototype, suitable for the addition of existing real estate.

Designers and builders of a sustainable future.

Solarix is not only a producer of
Solar Design panels but can be part
of the project from start to finish.

Our team

The Solarix team is all-round to fully guide projects from design to realization. Our team therefore consists of people with expertise in: design (from technology to product and visualization), architecture, project management, physics, solar technology, finance and sales. With this diverse team, we can work closely with the client and architect to develop a design facade according to their wishes and needs.

Our Solar Design facades can make a major contribution to the increase in value, sustainability and specification of architectural projects. Over the last few years we have worked together with clients such as: Edge, Jebber, Bam, Broekbakema, VMX architects, Schroder capital, Kuijpers, Van Wijnen, the municipality of Amsterdam and Maastricht among others.

Our process

Introduction & SolarCheck (optional)	During an initial meeting, we map the project's wishes and show the suitable colour and design options based on our collection. To have a better understanding of the business case of a solar facade in your project, a SolarCheck could be executed. Based on satellite data, we provide an estimate of how much energy your facade can generate in a year. We analyse the orientation of the building in relation to the sun, the optimal surface area for panels on the facade and the potential CO2 savings. In addition, we show in broad terms what the investment and return will be.
Bespoke design & colouring (optional)	We offer a tailor-made process for architects in which we jointly develop a design that fits perfectly with the project. This can be a design based on the collections or a uniquely developed pattern. In this process, we develop several samples to achieve the right colour and design.
Engineering & SolarScan	After an initial introduction, our engineering team can work out a more detailed insight into the application of Solarix solar panels into your project. We prepare samples and share digital files, so the client can make a preliminary design. Depending on what phase the project is in, this can be done with a SolarScan.In this scan our building technology and building physics experts conduct an extensive solar study including shadow fall, design options and detailing. In the SolarScan we can provide architectural advice, make a more targeted cost indication and calculate the payback period.
Production	We develop the Solar Design panels for the facade. We choose the appropriate system to fixate the panels on the building depending on the building properties. Likewise, we work on the installation scheme and building details.
Installation & Maintenance	Together with our installation partners we build and install everything into a beautiful and working facade. We can take care of the maintenance of the facade panels and system. We also support you in case of repairs or replacement of parts.

Want to get started
with Solarix panels?
Download all information
right away

solarix-solar.com/downloads

More information:

For all request
regarding projects contact
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We make Solar Design facades happen.

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