

SUNSOAK DESIGN / SOLAR STRUCTURES

PORTFOLIO Q3 2018
JD Steenackers



SUNSOAK TEAM



Jean-Didier Steenackers
FONDATEUR

sunsoak
solar energy **design** architecture

JD Steenackers is an Architect and Solar designer since 2004. He had the chance to work on great solar projects around the world with teams such as Renzo Piano, Herzog & Demeuron or Jean Nouvel.

He founded SUNSOAK design in 2015 with the objective to create an architectural practice based on the solar concept.



Laurent Ney
FONDATEUR

NEY
+PARTNERS BXL

Laurent Ney is the founder and administrator of Ney & Partners since 1998. He is a civil engineer and combines practical and theoretical knowledge. He has published 3 books on his conceptual approach and is the main project conceptor on design phase.

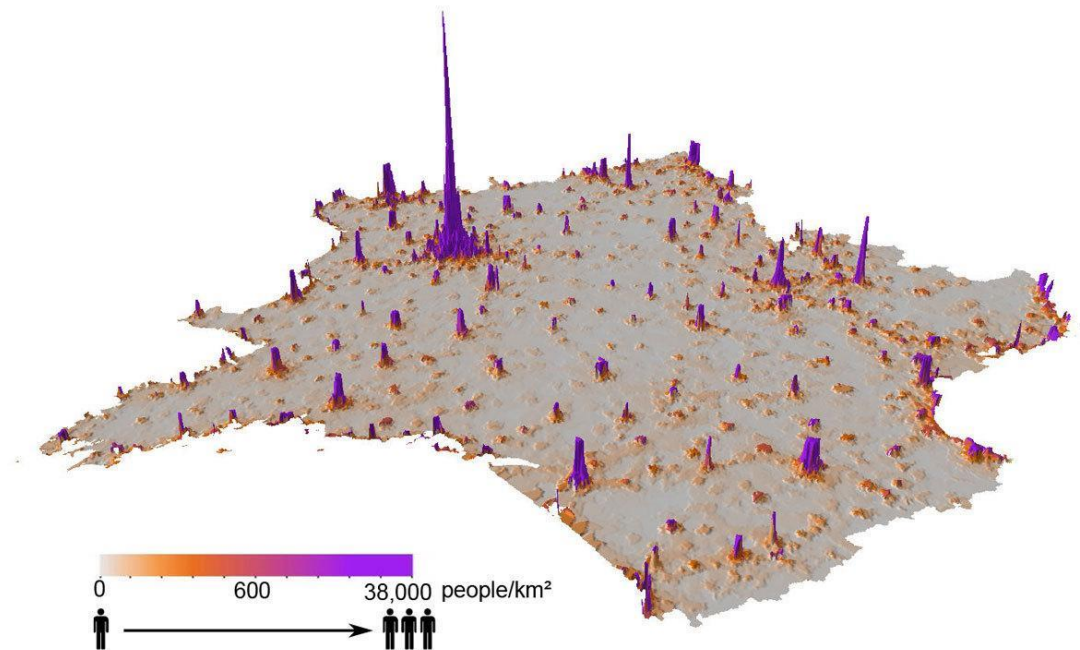
Ney and partners took shares in Sunsoak design in 2017.

PHILOSOPHY

The practice is a team of architects, engineers and solar designers led by JD Steenackers and Laurent Ney.

Because the energy need is located in the city, architectural solar energy will be a question in many projects in the near future. By building urban solar farms the loss factor due to distribution is then avoided. Energy is produced where the consumer is.

Solar technology needs, space, it is a m^2 consumer. The visual impact of solar structures makes it a dedicated piece of architecture. At SSD we feel that society expresses a new need. We propose a response.



SOLAR STRUCTURES

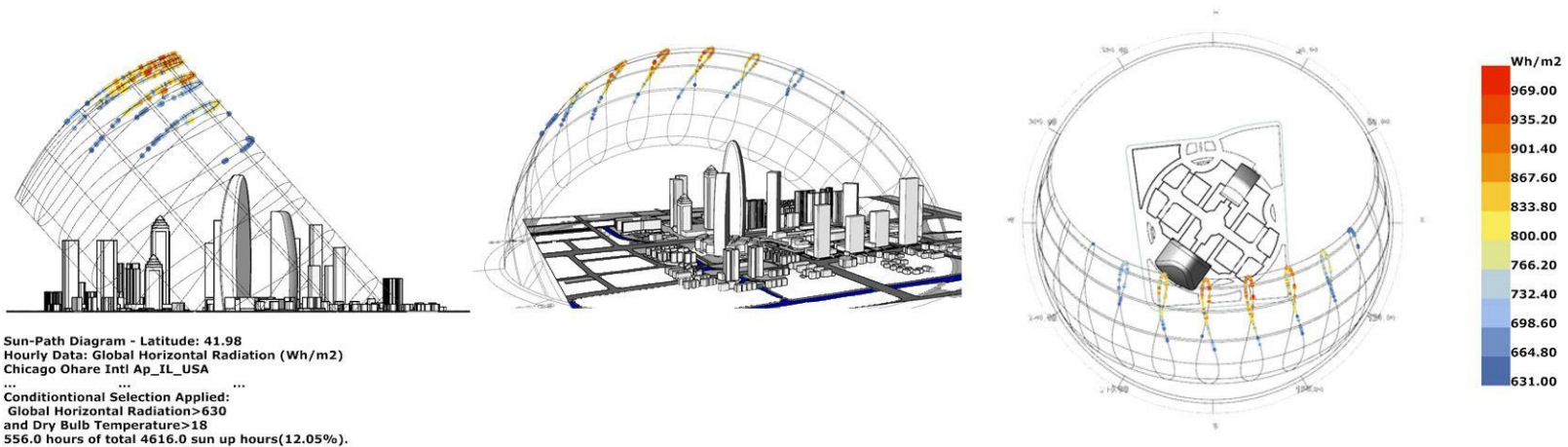
On solar structure design, SSD will act as a concepor and on some missions, the architect.

Solar structures is an elegant way to introduce renewable energy in the city. It will upscale a classic rooftop solar farm by flying over the obstacles. It is totally compatible with existing buildings. Dedicated structures can marry high-tech solar glazing with metallic or rough wooden beams, slightly south oriented. It will cover public spaces, EV loading stations or equip existing rooftops.

SOLAR BUILDING SKINS

On solar building skins SSD will act as an engineer or consultant.

SSD may provide a solar design expertise and an active glazing expertise for building skins. A SSD member may be included in teams of engineers or architects. Maybe for a particular architectural contest, for writing the specs or following the work site, but always on the sunny side of the envelope.



KEY SOLAR PROJECTS

- Montparnasse Tower, ongoing, Paris
- DUO Towers, ongoing, Jean Nouvel architects
- Gioia 22 tower, ongoing, Milan, Pelli Clarke Pelli architects
- Médecins Sans Frontières HQ, Geneva, ongoing, Steven Holl architects
- Botasolar BIPV structure, Brussels, Sunsoak design/Ney & partners architects
- National Library of Israel, BIPV design, Herzog & Demeuron architects
- Extension of the European Justice Court, Luxembourg, ongoing, Dominique Perrault architects
- Poste du Louvre, Paris, ongoing, Dominique Perrault architects
- Great Tribunal of Paris, 2015-2017, Renzo Piano Architects
- TESLA/Vandervalk supercharger station, Sunsoak design architects
- Astana 2017 BIPV dome, Astana, 2016, Gordon Gill architects
- Charger for Audi/VW Brussels, Sunsoak design architects
- Seine Musicale concert hall, Paris, 2016, Shigeru Ban Europe architects
- Vente Privée tower, Paris, 2016, Wilmotte & associés architects
- SNFCC solar structure, Athens, 2015, ARUP, Renzo Piano Architects
- Greenbizz incubator building, Brussels, Architectes Associés
- La CREA, Rouen, BIPV design, 2016, Jacques Ferrier architects
- The French Ministry of Defense, Paris, 2013-2015, Nicolas Michelin architects
- Mons train Station, Mons (BE), Santiago Caltrava Architects
- Namur train station preliminary design, Namur (BE), NEY Architects
- AXA real estate – Treurenberg building, Brussels, ASSAR architects
- The Finance Tower solar skin, Liège (BE), Jaspers Evers Architects
- Saint Malo Media Library building, 2014, Saint-Malo (FR), Architecture Studio
- Brussels Institute for Environment BIPV façade, Brussels, 2013, CEPEZED
- Design and build Elia EV solar car park building, Brussels, 2013
- Art center in "Le Grand Noble" domain, Gent (BE), ongoing
- Standard Bank National Campus, Johannesburg (ZA), 2005-2006, GLH architects

KEY LECTURES

- **EUPVSEC** 2018 - Decentralization of the large solar farm into cityscape. New urban shapes as totems of a transition
- **MIPIM** 2018, Cannes FR – Great Tribunal of Paris, Renzo Piano, Solar skin
- **INES** (French Institute of Technologies) – 2018, 2017 – Solar integration in protected architectures/areas
- **ACTIVE BUILDING SKIN** 2017, Bern – BIPV structure in the city
- **ENERGY FACTOR 4** 2017 – International BIPV projects
- **ACTIVE BUILDING SKIN** 2016, Bern – Tips and tricks BIPV international projects
- **BRUSSELS INSTITUTE FOR ENVIRONMENT** - 2016, 2017 – BIPV lectures
- **ENERGY VILLE** - 2016, 2017 – Diverse BIPV lectures
- **ENERGY FORUM** 2010 – EPBD transposition at EU member state level

BIPV CONSULTANCY | MAJOR ACHIEVED WORK

REFERENCE – **Achieved project #1**



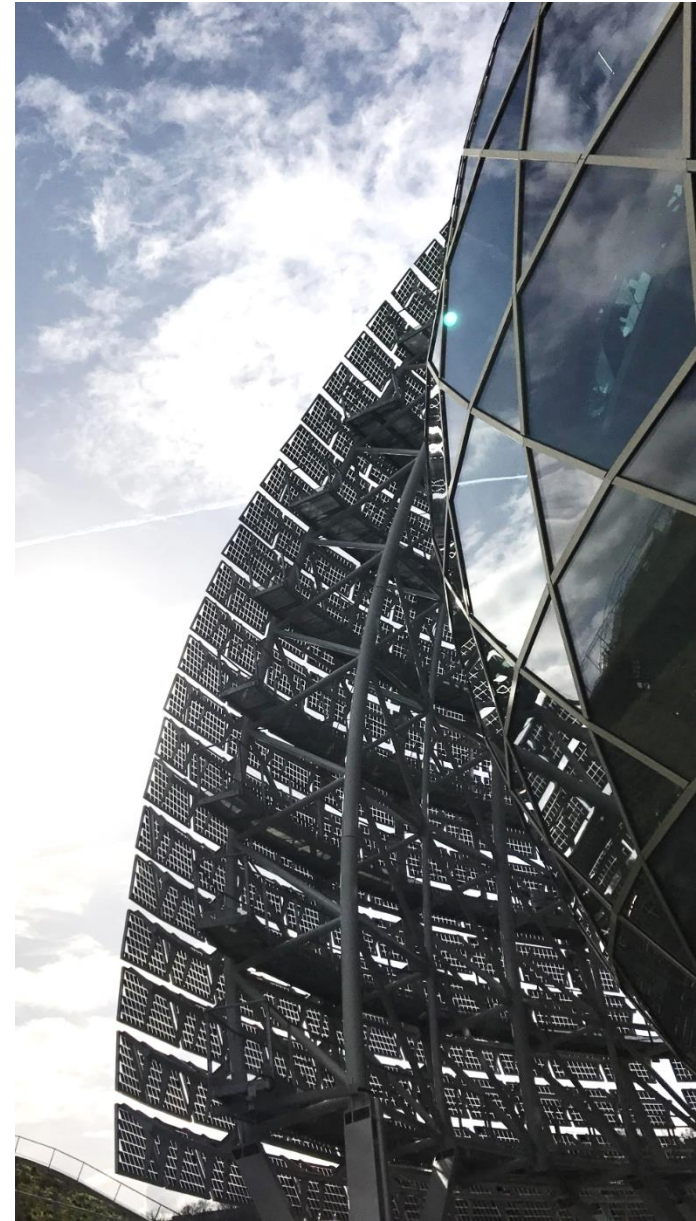
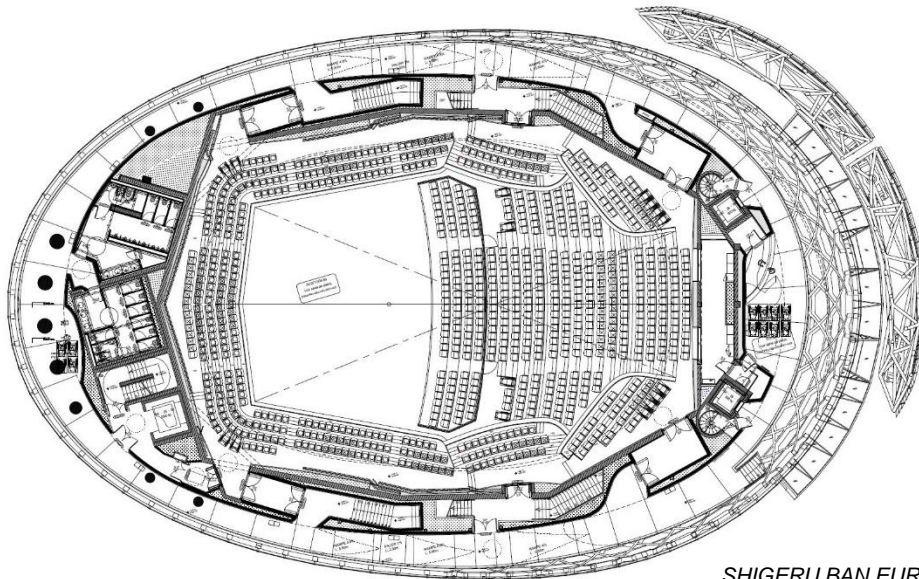
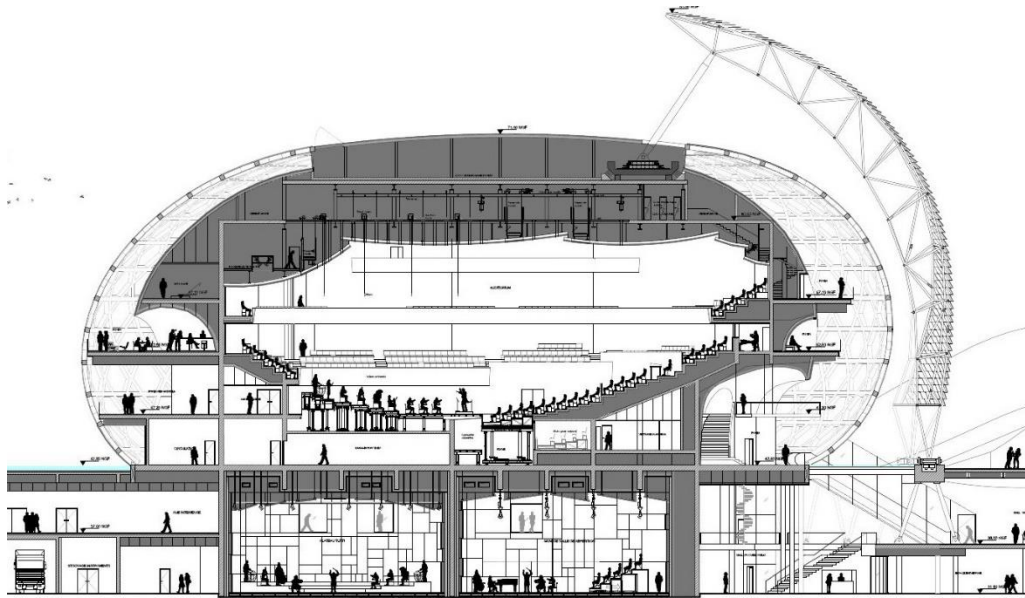
ANMA architects
French Ministry of Defense, Paris

REFERENCE – **Achieved project #2**



SHIGERU BAN EUROPE architects
Cité Musicale, Paris

REFERENCE – *Achieved project #2*

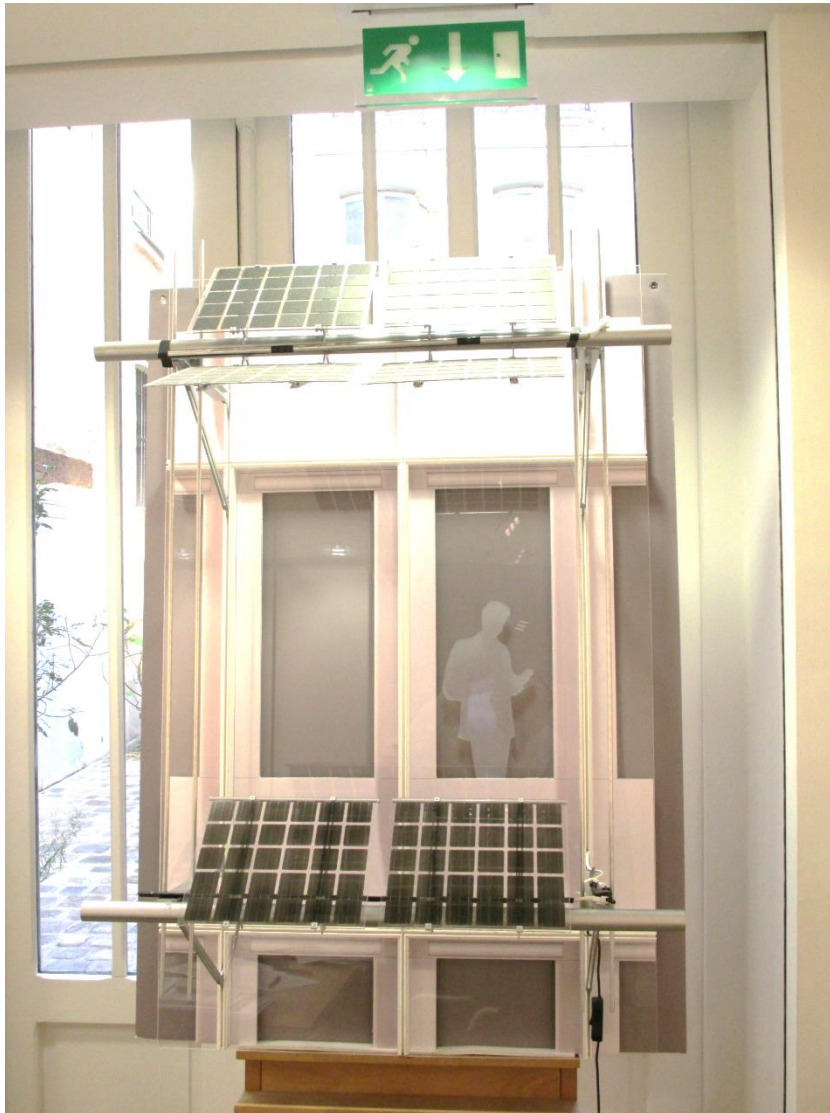


REFERENCE – **Achieved project #3**



*RPBW Renzo Piano Building Workshop
Great Tribunal of Paris*

REFERENCE – **Achieved project #3**



*RPBW Renzo Piano Building Workshop
Great Tribunal of Paris*

REFERENCE – **Achieved project #3**



*RPBW Renzo Piano Building Workshop
Great Tribunal of Paris*

REFERENCE – **Achieved project #4**



ARCHITECTURE STUDIO Architects
Médiathèque de Saint-Malo



REFERENCE – **Achieved project #5**



*SAMYN & Partners Architects
Europa building, Brussels*

REFERENCE – **Achieved project #6**



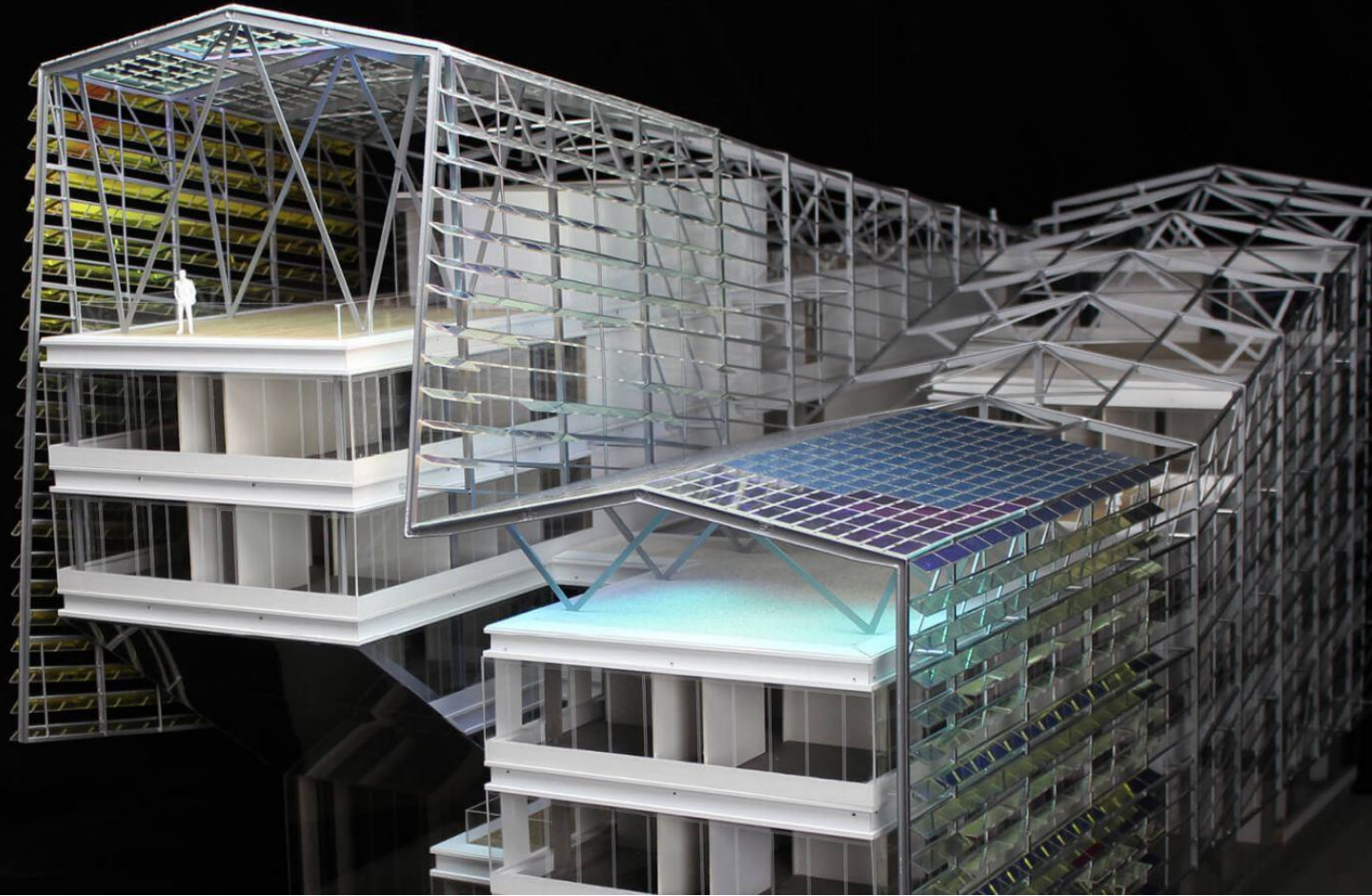
*CEPEZED Architects
IBGE HQ, Brussels*

REFERENCE – *Achieved project #7*



*JFA Jacques Ferrier architects
LA CREA, Rouen*

REFERENCE – *Achieved project #7*



*JFA Jacques Ferrier architects
LA CREA, Rouen*

REFERENCE – **Achieved project #8**



*XTU architects
Danube Tower, Strasbourg*

REFERENCE – ***Achieved project #9***



*AAVO architects,
NEGUNDO 2 Building, Tournai*

REFERENCE – **Achieved project #10**



*DOMINIQUE PERRAULT architects
Luxemburg Justice Court, Luxemburg*

BIPV CONSULTANCY | ONGOING WORK

REFERENCE – **Ongoing project #1**



*DOMINIQUE PERRAULT architects
Poste du Louvre, Paris*

REFERENCE – **Ongoing project #2**



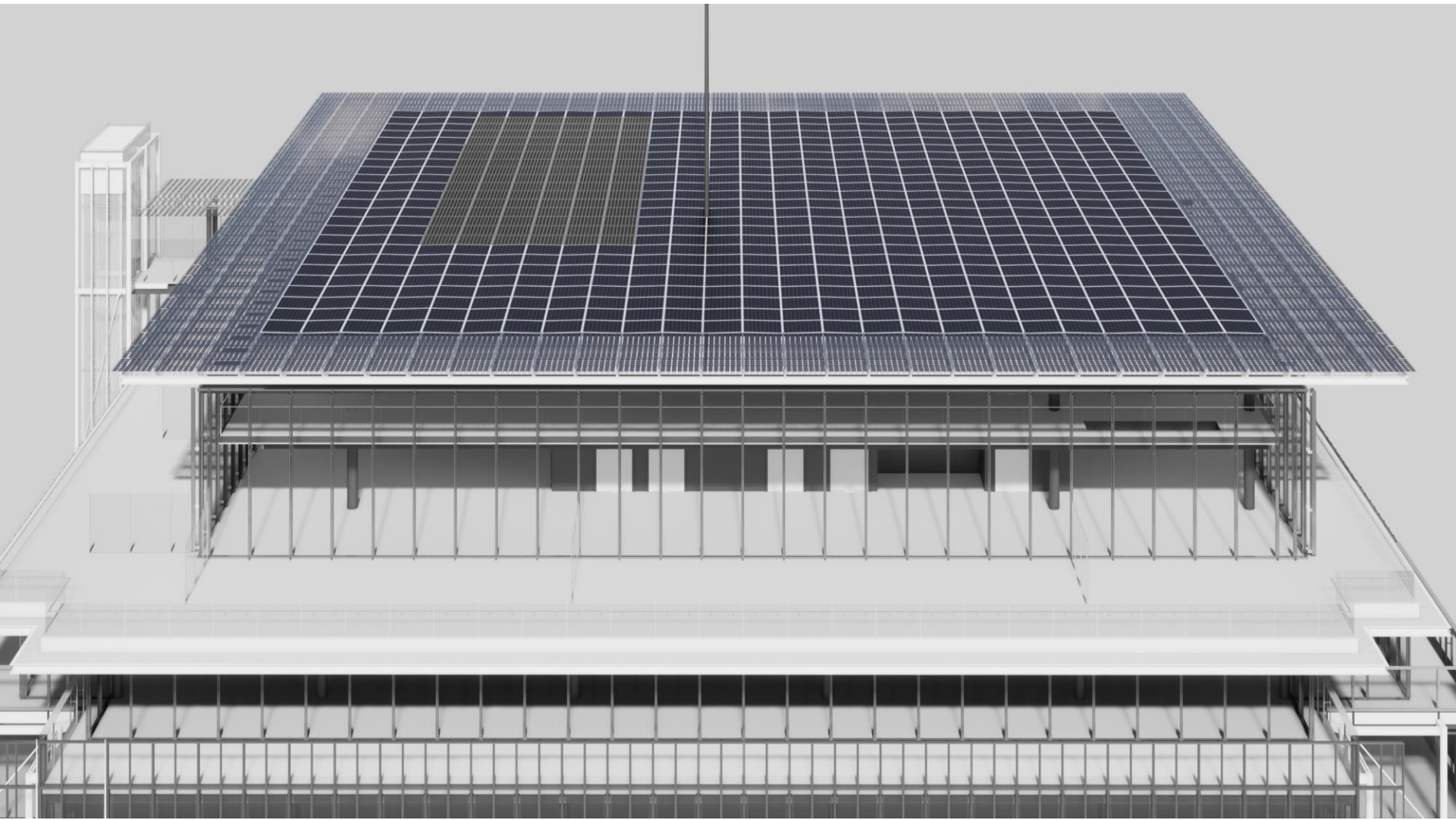
*JNA Jean Nouvel architects
DUO Towers, Paris*

REFERENCE – *Ongoing project #3*



HERZOG & DEMEURON architects
National Library, Israël

REFERENCE – *Ongoing project #4*



*Renzo Piano Building Workshop
Paddington building, London*

REFERENCE – **Ongoing project #5**



OZ architects
Overhoeks / Bold Tower, Amsterdam

REFERENCE – *Ongoing project #6*



SANTIAGO CALATRAVA Architects
Mons Train station

REFERENCE – *Ongoing project #7*



*Pelli Clarke Pelli Architects
Gioia 22 Tower, Milan*

REFERENCE – *Ongoing project #8*



*SOU FUJIMOTO Architects
1000 arbres, Paris*

REFERENCE – **Ongoing project #9**

*Rafael de La Hoz Architects
Rabat Bouregreg « O » Tower, Rabat*



REFERENCE – **Ongoing project #10**



*Jaspers Eyers Architects
Quatuor Buiding, Brussels*



REFERENCE – *Ongoing project #11*



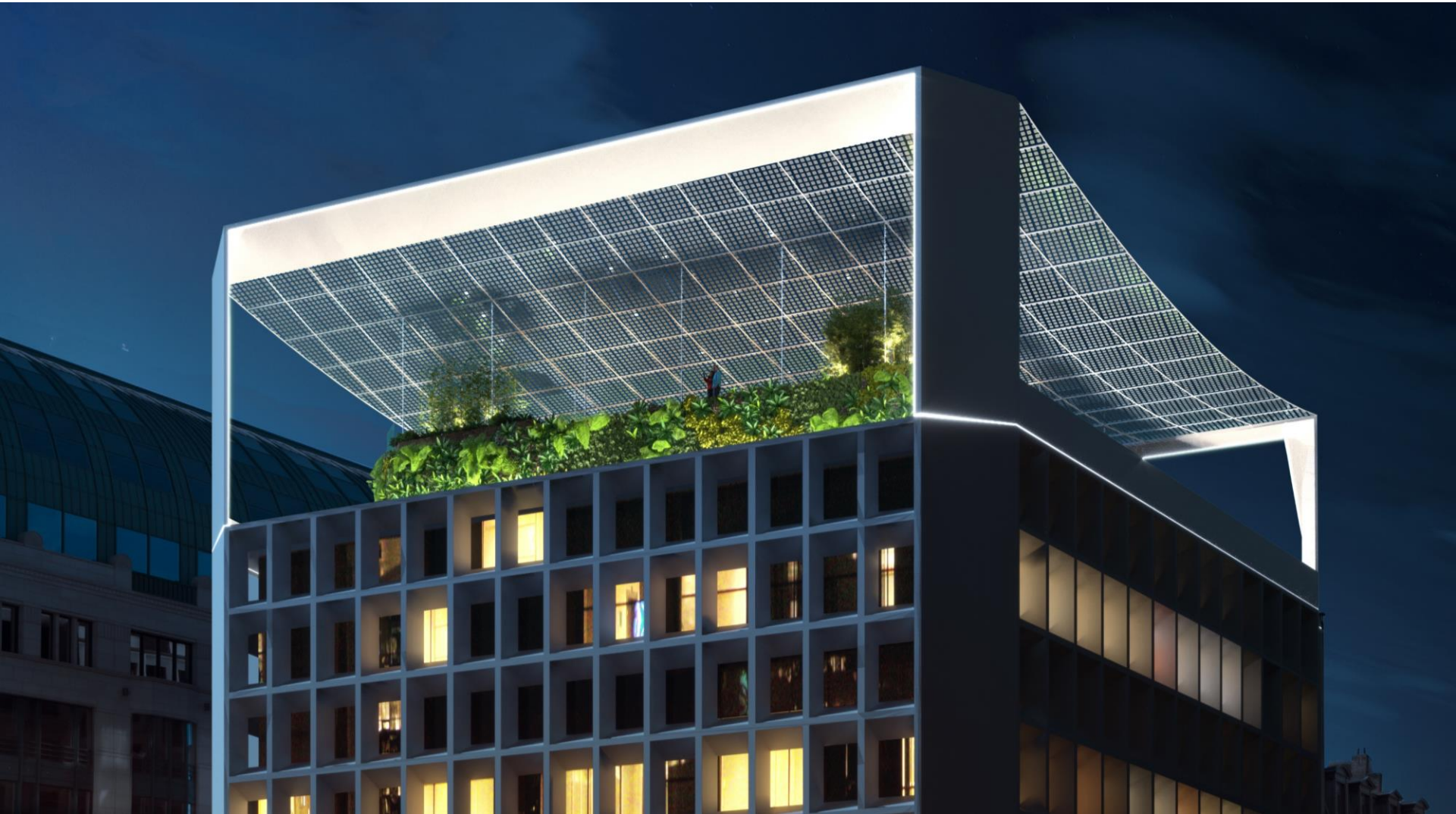
*Steven Holl Architects
MSF HQ, Geneva*

DEDICATED SOLAR ARCHITECTURE | SUNSOAK & NEY+PARTNERS

NEY/SUNSOAK architects –
structure #1

*SUNSOAK design /
NEY & PARTNERS Architects
BOTA SOLAR rooftop strucure
Brussels*





*SUNSOAK design /
NEY & PARTNERS Architects
BOTA SOLAR BIPV rooftop structure
Brussels*

NEY/SUNSOAK architects – **structure #2**



NEY & PARTNERS architects
Namur train station

NEY/SUNSOAK architects – **structure #2**



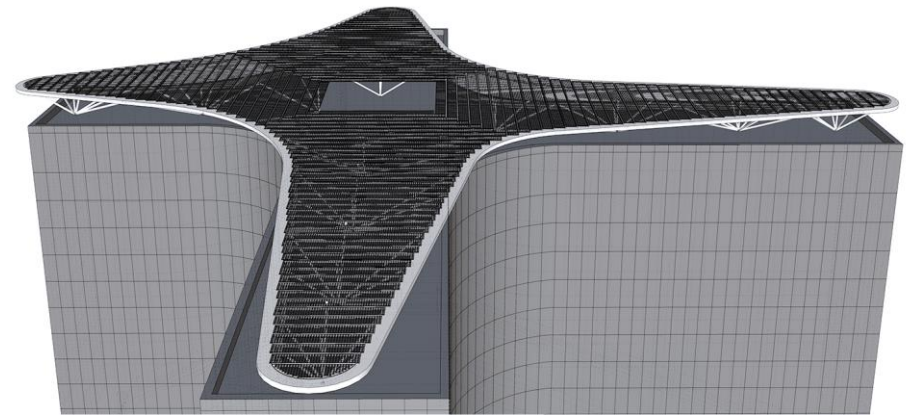
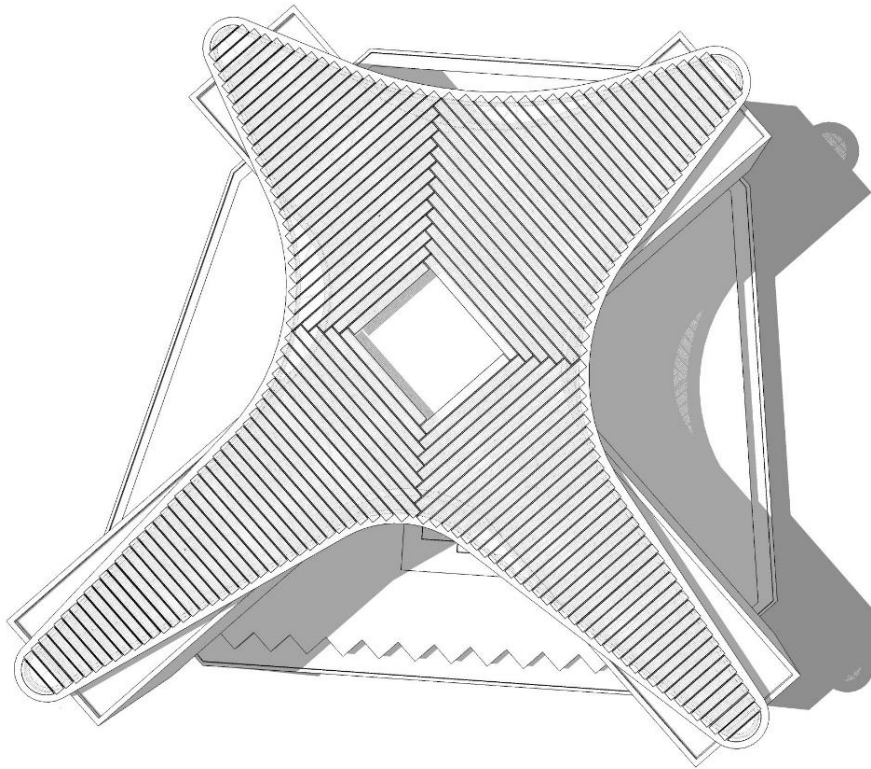
NEY & PARTNERS architects
Namur train station

NEY/SUNSOAK architects – **structure #3**



SUNSOAK / Architectes Associés
ELIA EV Loading station

NEY/SUNSOAK architects – **structure #4**



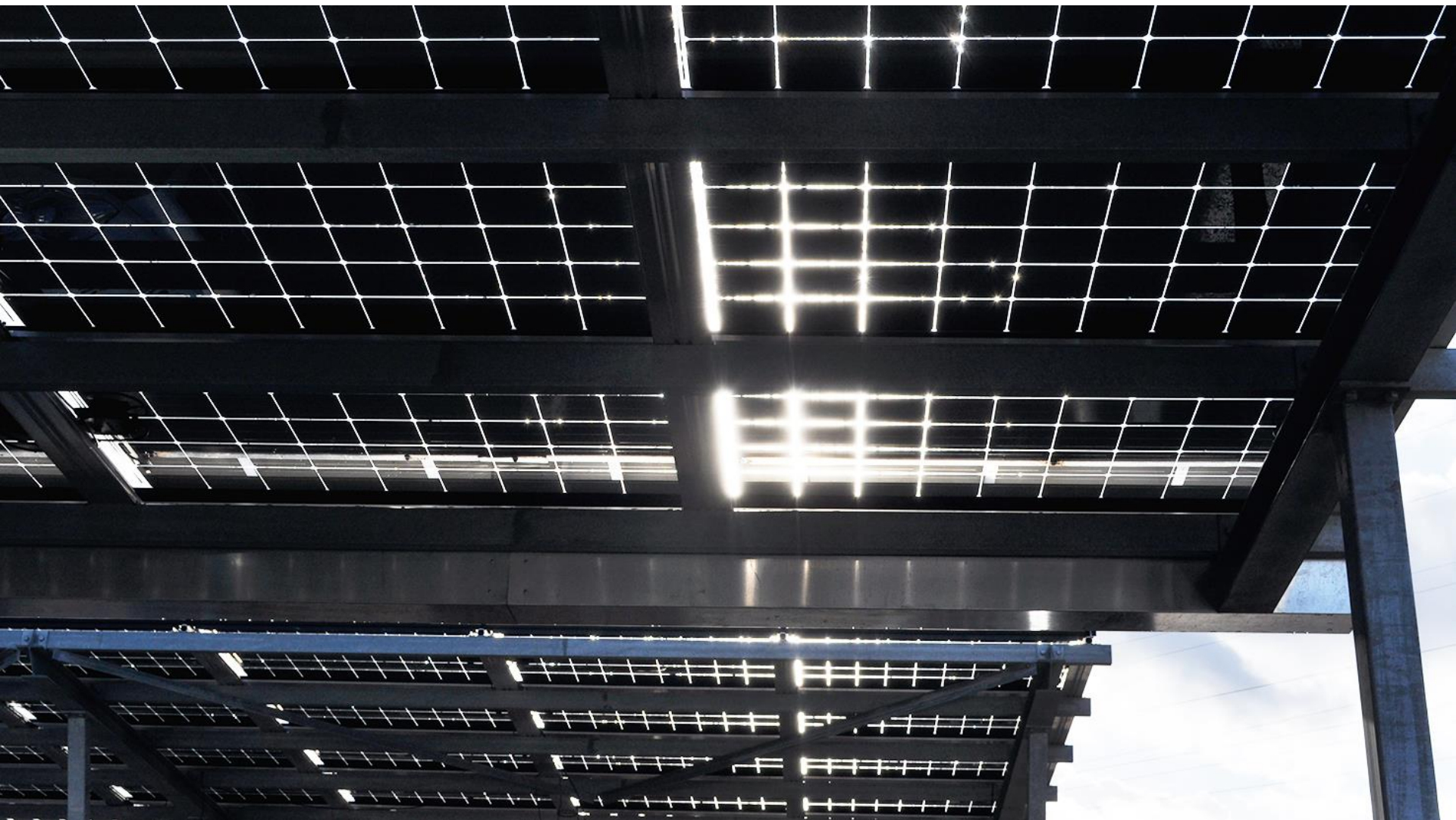
SUNSOAK design /
NEY & PARTNERS Architects
LA MONNAIE, Brussels

NEY/SUNSOAK architects – **structure #5**



SUNSOAK design architects
Structure Place Colette, Ville de Paris

NEY/SUNSOAK architects – **structure #6**



SUNSOAK design architects
EV loading station AUDI / VW Brussels

NEY/SUNSOAK design

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