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Eine Marke von  
**SONNENKRAFT**

## EU PVSEC 2020 IEA PVPS TASK 15 (PHASE 2) WORKSHOP

BUILDING INTEGRATED PHOTOVOLTAICS –  
FROM BEST PRACTICE EXAMPLES TO LARGE-SCALE  
MARKET PENETRATION

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September 08<sup>th</sup>, 2020

# Key Facts



For **28** years  
on the market



**2** production  
sites



**180**  
employees



**No. 1**

One of Europe's  
biggest system  
suppliers for heat and  
electricity



More than **1 GWP**  
produced and more  
**than 1 Mio.**  
households in Europe  
use products of the  
solar industry St. Veit





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# Production sites





Energy for life

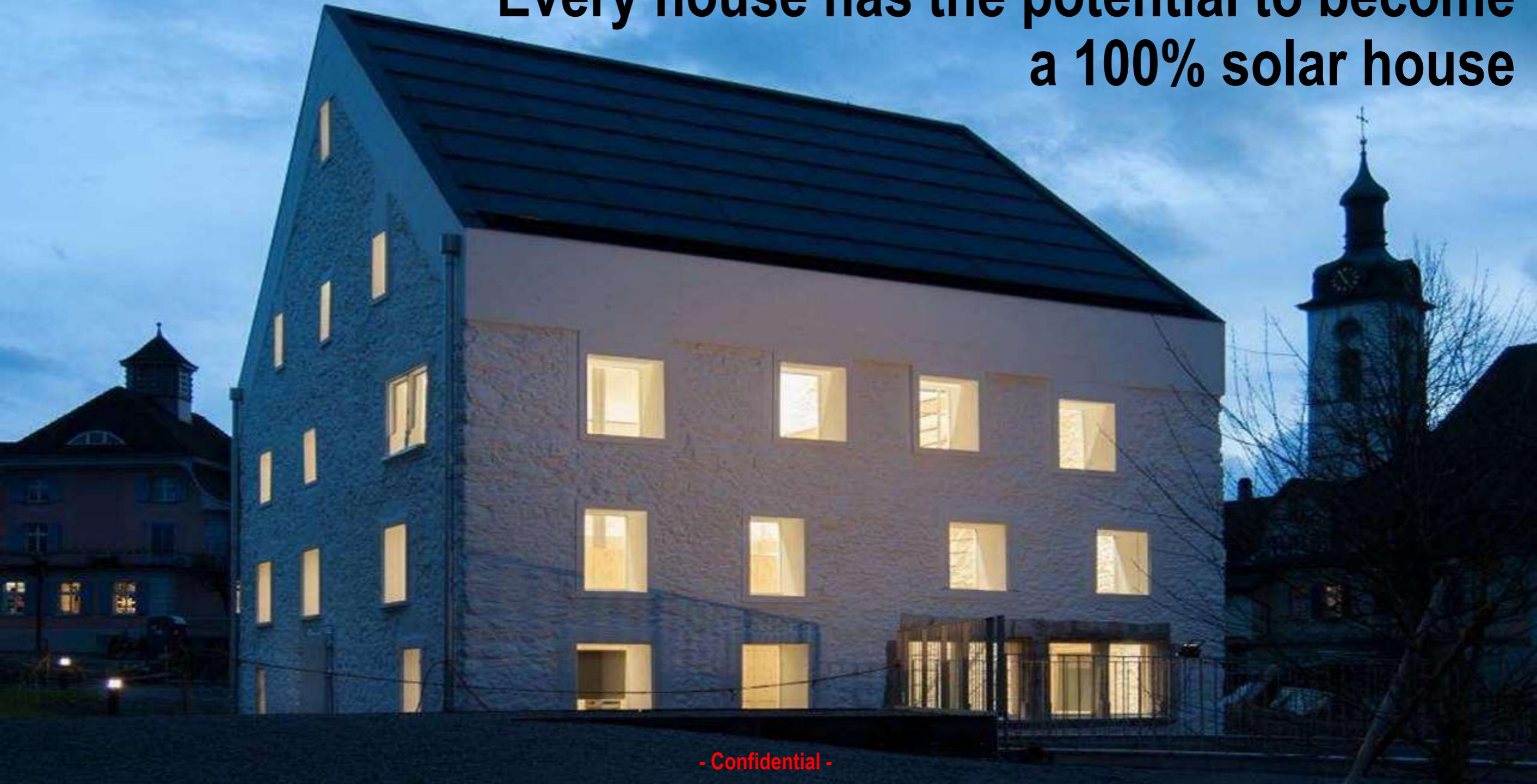
# 100% SUN



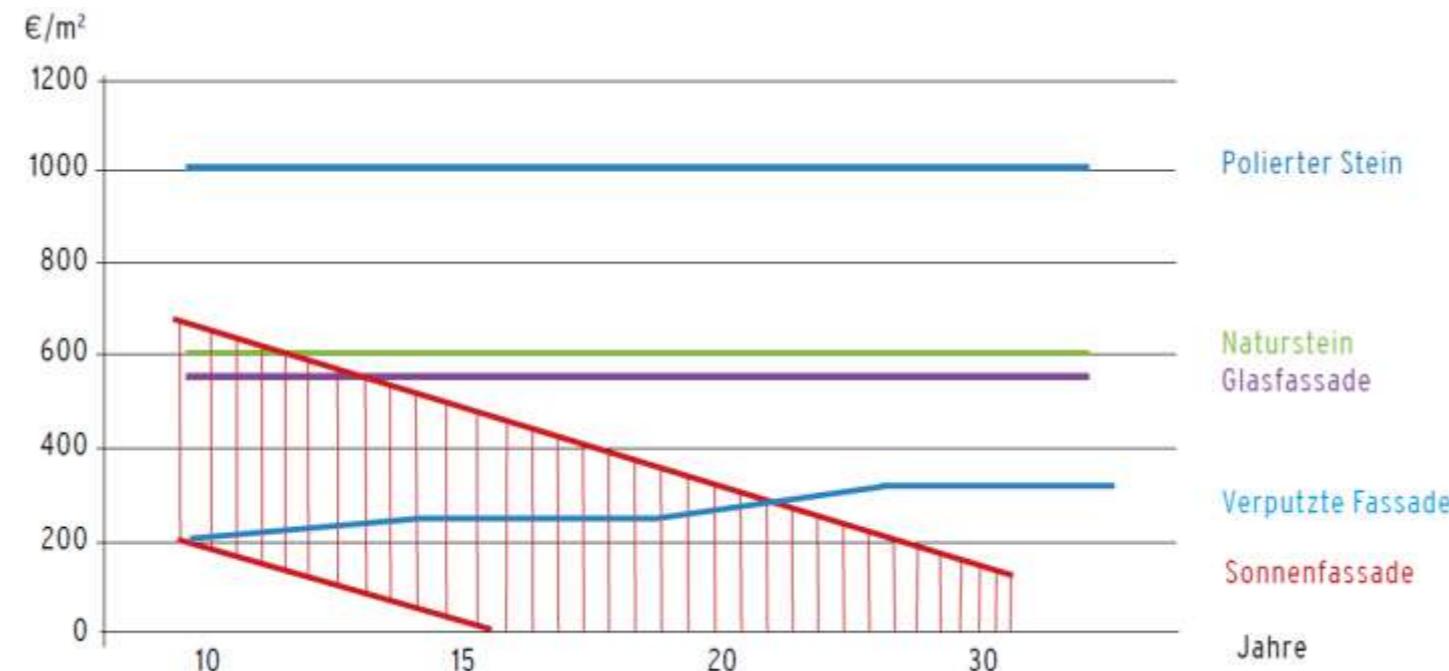
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**Every house has the potential to become  
a 100% solar house**



- Energy from the facade: direct power generation from the sun integrated in the building envelope
- Building envelopes become a real power plant for solar energy
- Reduce costs – an active energy facade is continuously economical

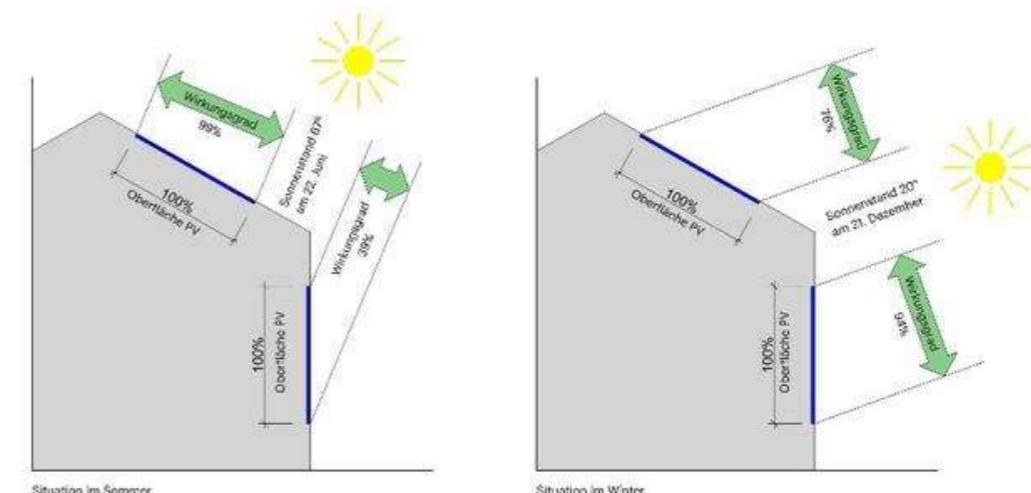


# SUNFAÇADE

- Direct power generation from the sun
- 10 m<sup>2</sup> module area on the south facade result in an annual yield of 1.000kWh
- Optimized yield in winter

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# SUNFAÇADE - challenges

- More complex system layout and project execution (sampling, batch production, subsequent deliveries)
- Higher initial costs
- May require the usage of special components (glass, ribbons, etc.)
- Relatively small batch sizes
- Inhibition thresholds at traditional crafts
- No uniform standards for sun facades available so far



# Solar houses change villages and cities...



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... and no one sees it

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2. INNOVATIONSAWARD  
**BAUWERK  
INTEGRIERTE  
PHOTOVOLTAIK**





SUNFACADE, Switzerland

A wide-angle photograph of a modern residential complex under a clear blue sky. In the foreground, a large, light-colored stone wall runs across the frame. Behind it is a long, dark-colored fence or wall system that appears to be integrated with solar panels. Several modern houses with different architectural styles are visible behind the fence. One house on the left has a white facade and a red-tiled roof. Another house further back has a dark facade and a balcony. The complex is set against a backdrop of green trees and rolling hills.

Solar-Fence, Austria

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In-roof power plant, Switzerland



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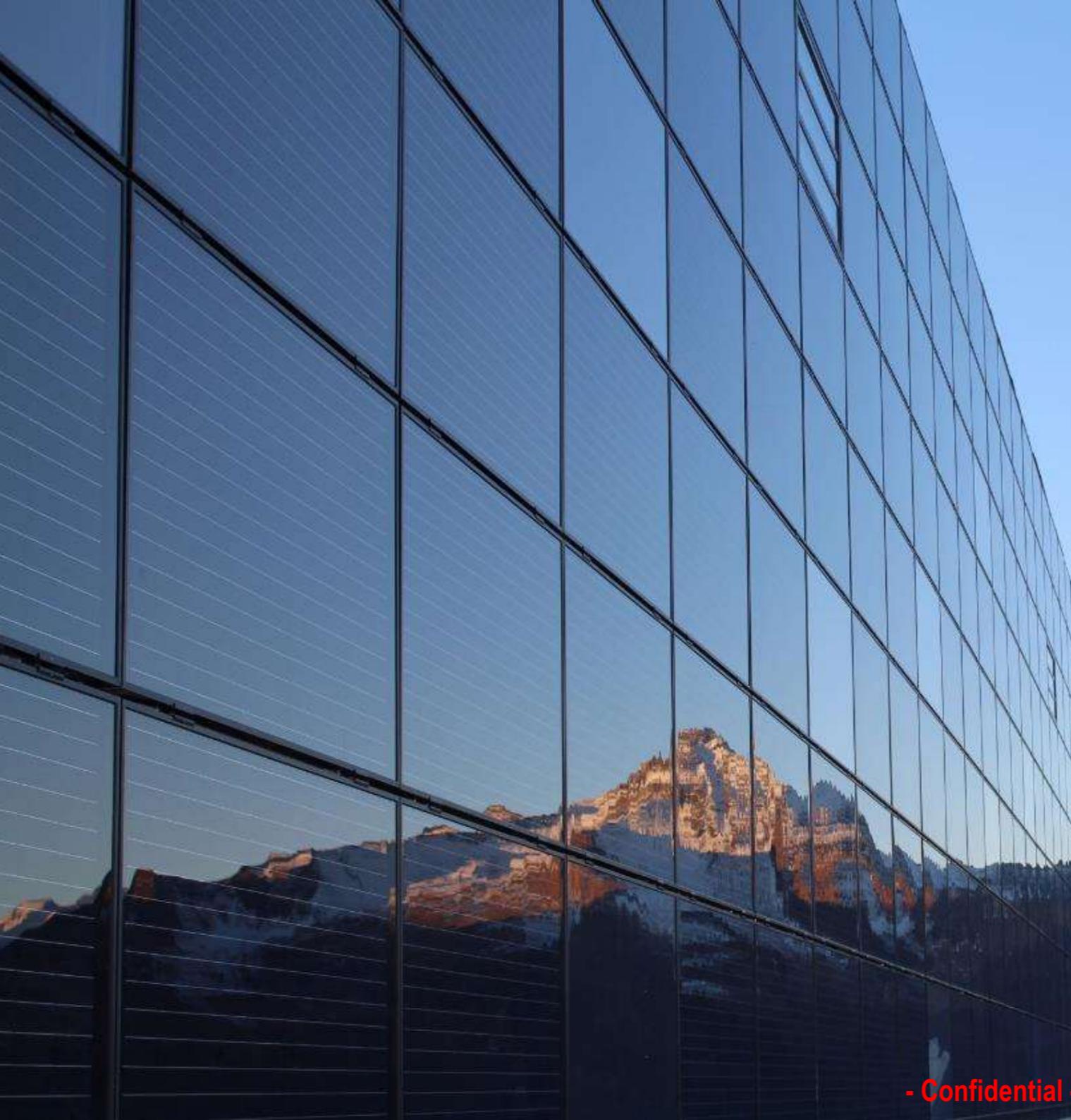
Terrace roof, Austria

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E-Carport, Austria



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**Thank you very much for  
your attention!!!**



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