Heimatschutz…

Konventionel….

…mit Archinsolar…

April 2014:

Eindeckung des ersten Dachs (ca. 100 qm)

archinsolar

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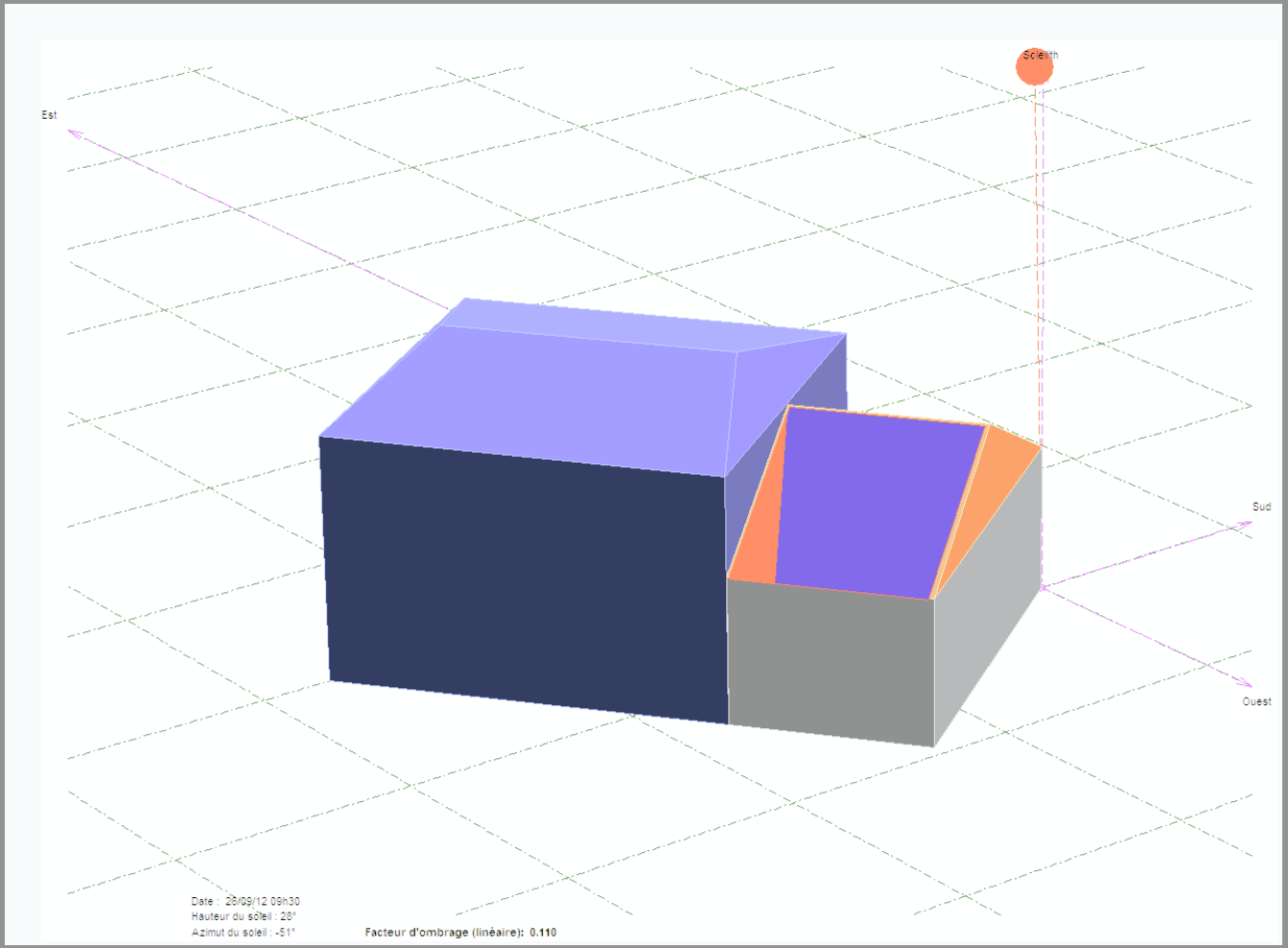
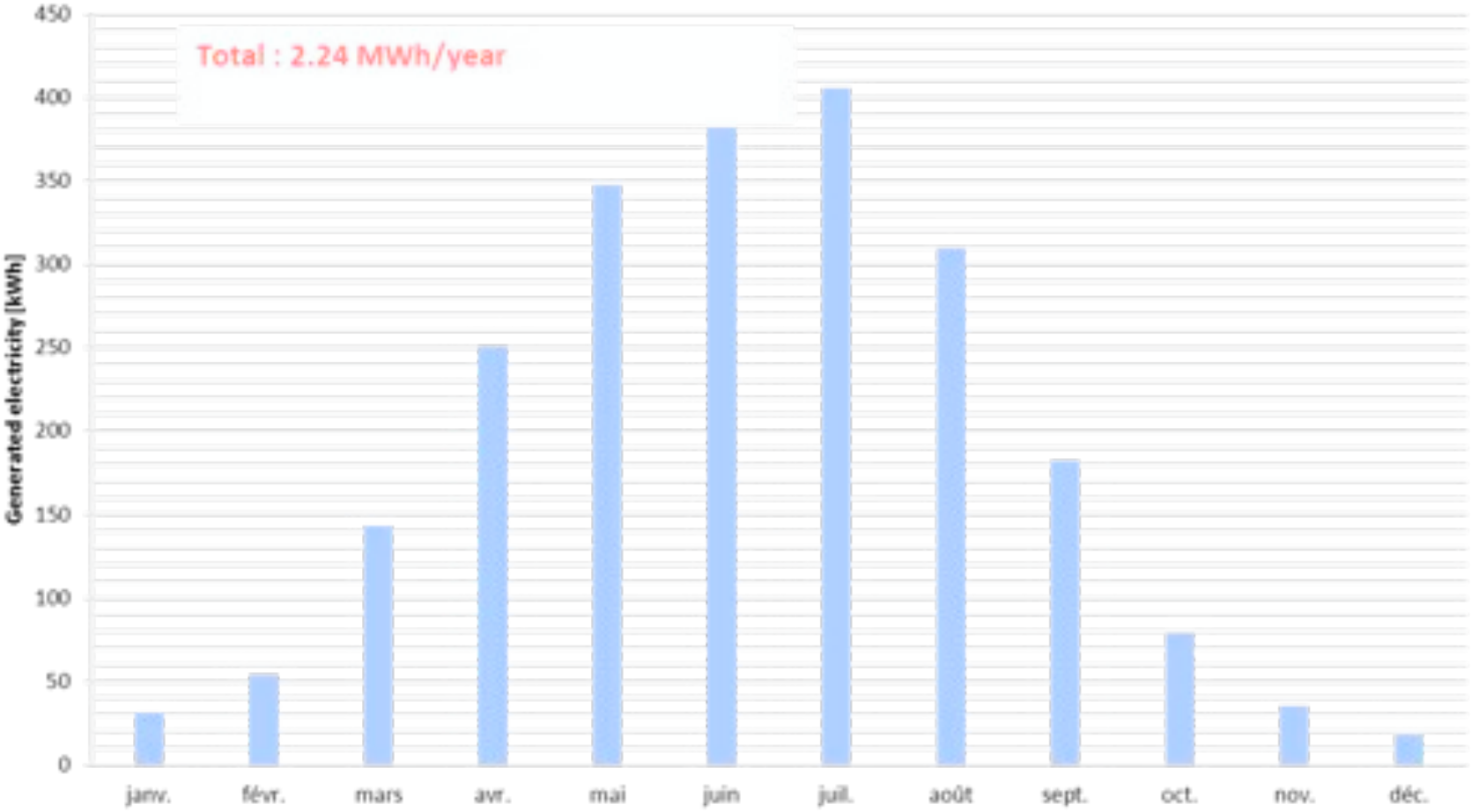
Yield simulations (by Valentin Chapuis)



Resultat:


Total : 2.24 MWh/year
Generated electricity [kWh]
450
400
350
300
250
200
150
100
50
0
janv.
févr.
mars
avr.
mai
juin
juil.
août
sept.
oct.
nov.
déc.

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Wirkungsgrad ist alles?

PV-lab
IMT NEUCHATEL

archinsolar

Kommerzielle Produktion beginnt 2014

Anstehende Forschung: Optimierung der Farbwirkung durch Interferenzfilter

Anstehende Forschung: Optimierung der Farbwirkung durch Interferenzfilter

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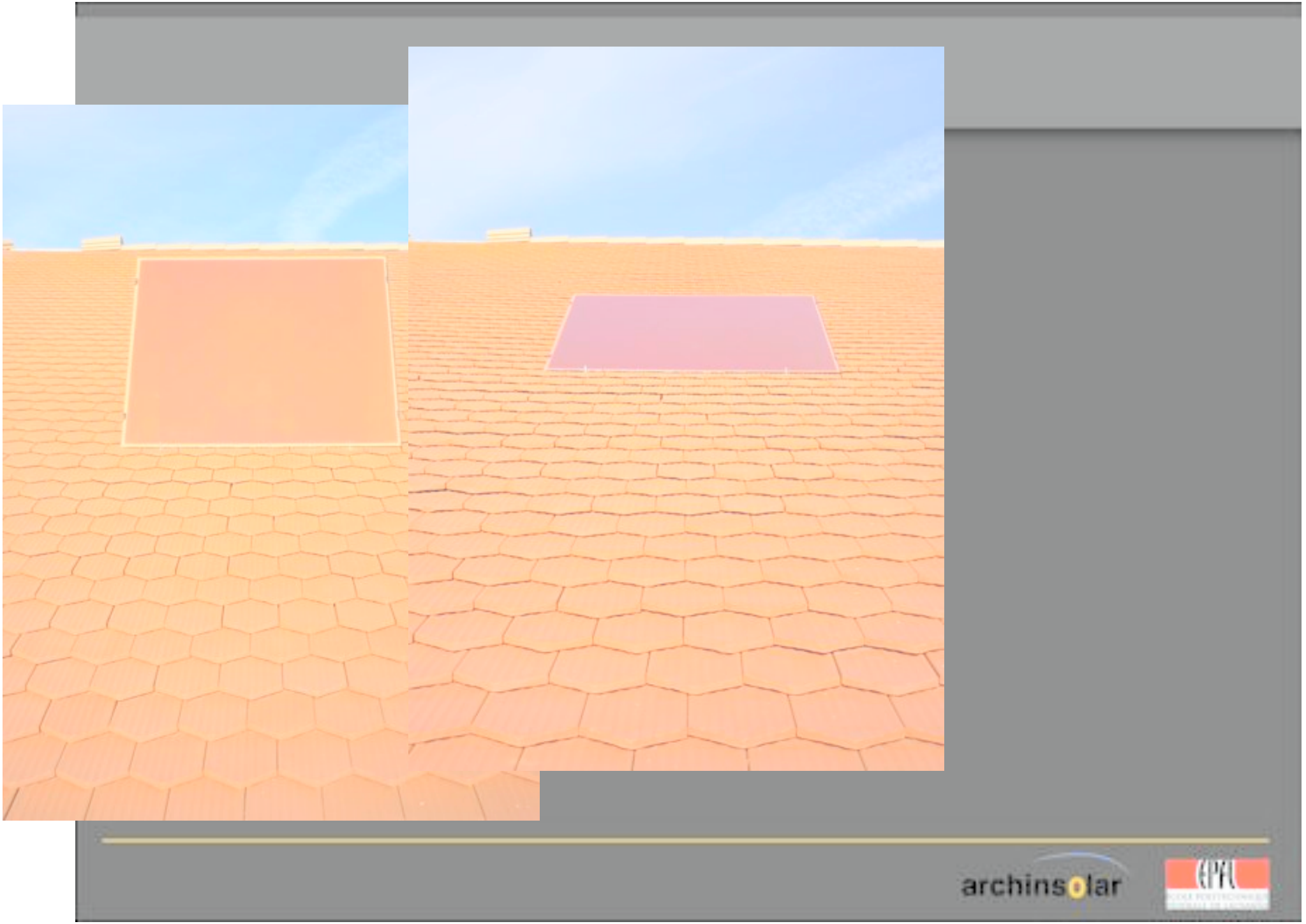
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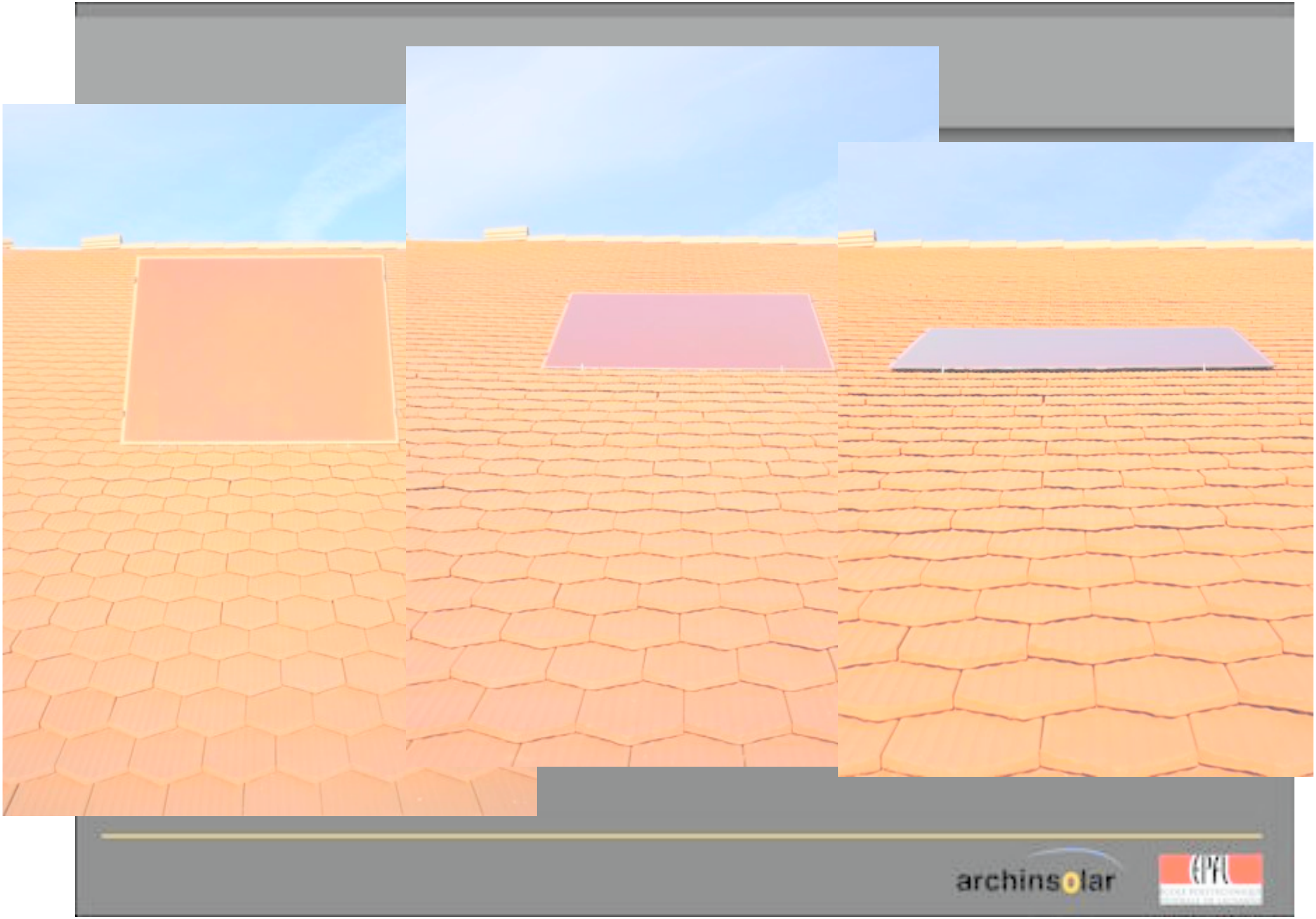
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Die Bedeutung von Kommunikation

Die Bedeutung von Kommunikation

Die Causa

Kraftwerk Birsfelden (BL)

Architekt: Heinrich Hofmann (1953/54)

Die Causa

Kraftwerk Birsfelden (BL)

Die Causa

Kraftwerk Birsfelden (BL)

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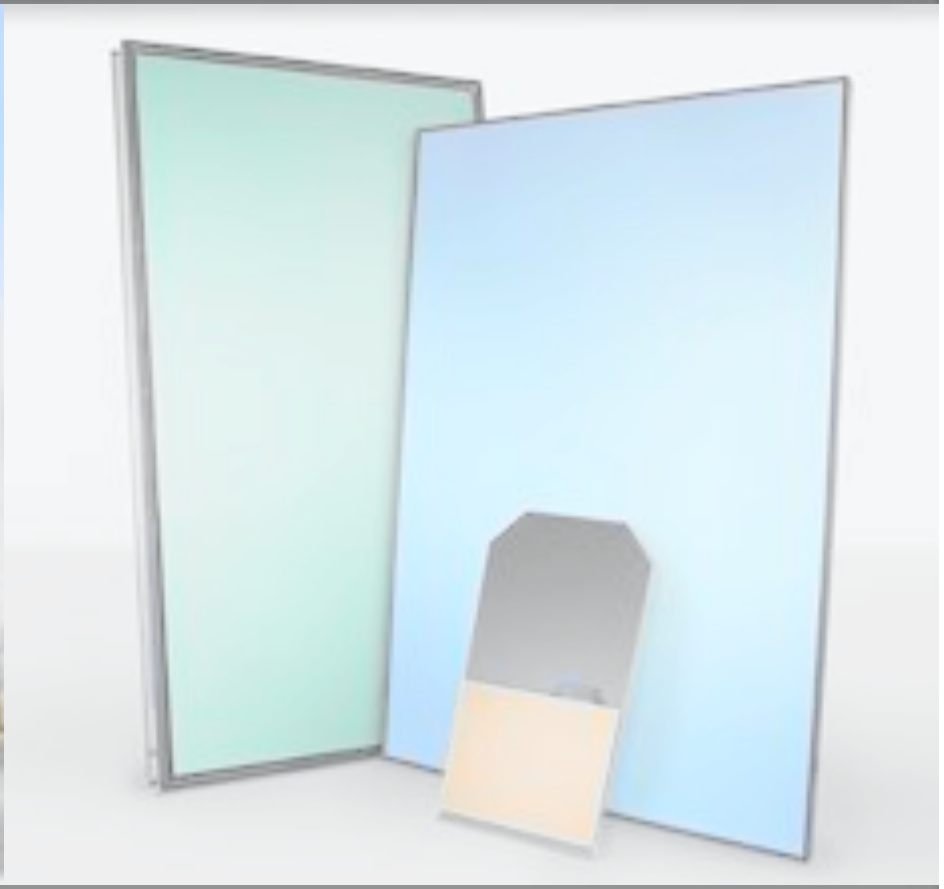
Alternative Lösungen?

Front Glass mit farbigem Interferenz Filter



SWISS INSO
innovative solar solutions

by LESO-EPFL

PV-lab
IMT NEUCHATEL

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EPFL

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Quai de Valmy 179, Paris

PV-lab
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Milbertshofen (by Voltarlux)

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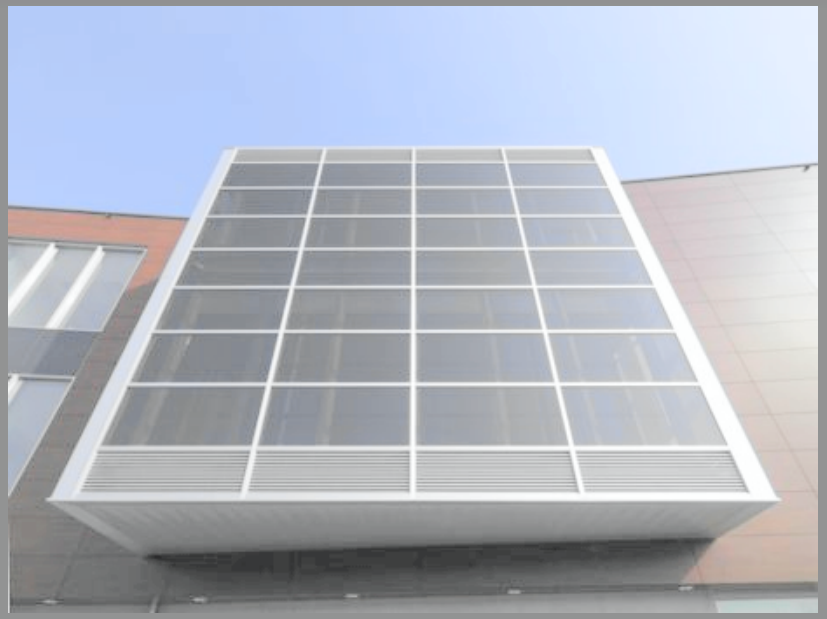
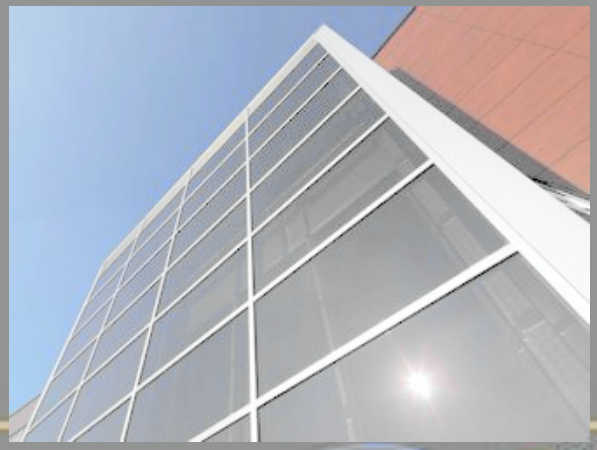
Semi-Transparenz: a-Si Dünnschicht (Schüco, Germany)





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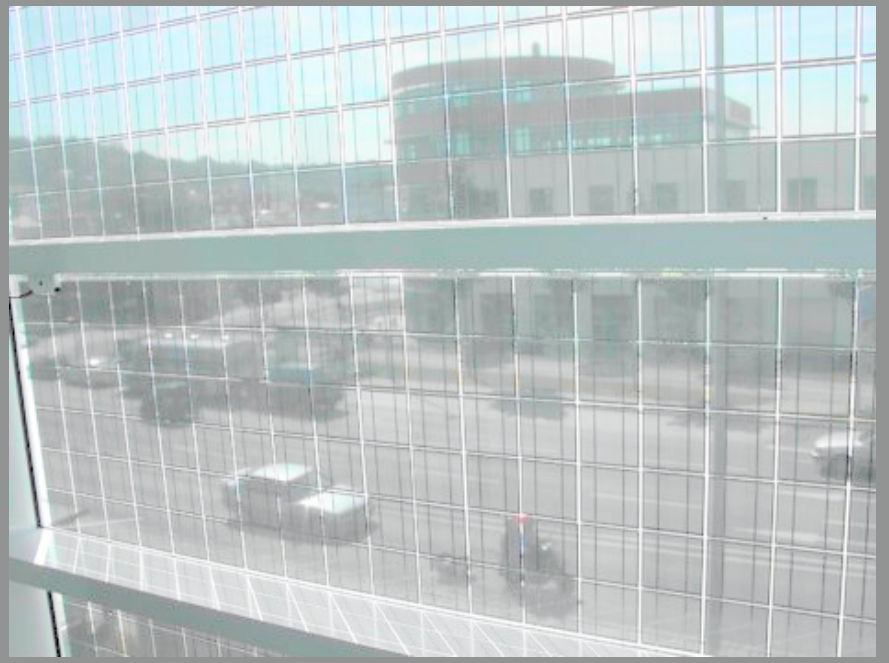
Semi-Transparenz: Kristallines Silizium



Vidursolar; Voltarlux; Sunways; …

Massgeschneiderte Semi-Transparente a-Si
(by Malibu/Schüco)

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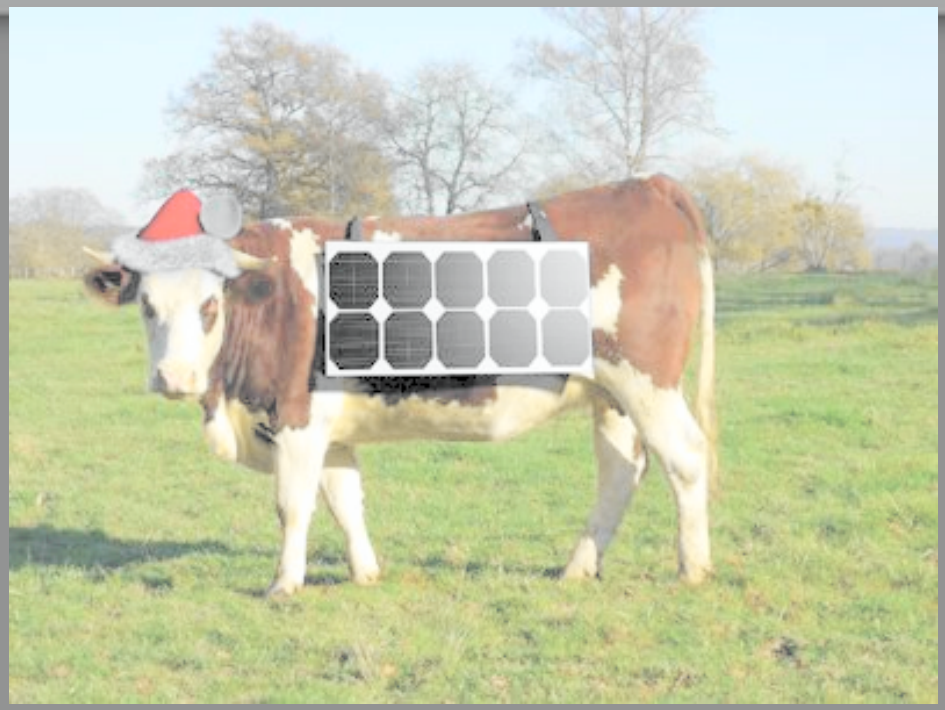
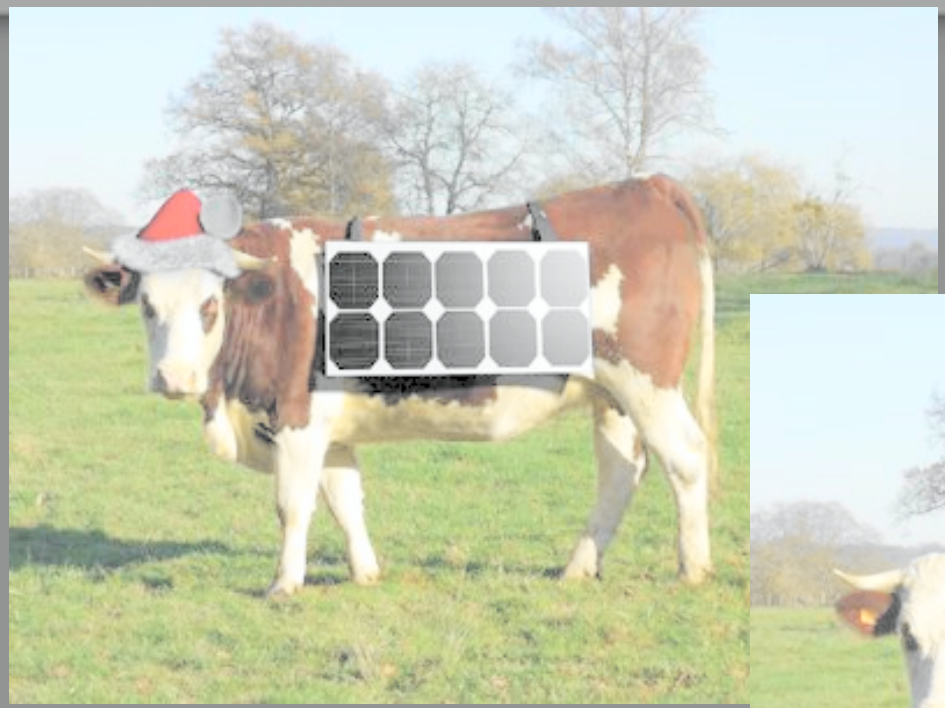
Ausblick…



Ausblick…



Solar architecture is not about fashion,

but about survival….

(Norman Foster)

Danksagung:

Archinsolar (CCEM, LESO, LTC, EMPA, ETHZ, Swissinso)

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