



Schweizerische Eidgenossenschaft Confédération suisse Confederazione Svizzera Confederaziun svizra Federal Department of Economic Affairs, Education and Research EAER State Secretariat for Education,

SUPSI



Essentials Get inspired by our course to make solar buildings! April 2025

Four Elements Hotel DAY 2 Case Study Building tour OZ Architect & Solarix

DAY 1

Introduction to Solar Architecture





29 30/04 2025

WHERE?

DAY 1-2

Bert Haanstrakade 1074 NL-1087 HJ Amsterdam

TOUR DAY 2

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Koivistokade 56,1013 BB

KV Amsterdam

29,30 **APRIL**





09:00 - 9:30 Welcome, course introduction 09:30 - 10:00 Sun as a design element: from function to beauty 10:00 - 10:30 Sun as a building material: case studies of solar architecture

Break

10:50 – 11:30

Solar Technology Fundamentals: principles of photovoltaics cells &modules, BIPV design essentials 11:30 – 12:10

Simulation and modelling: processes and workflows for solar potential analysis and BIM-based modelling

12:10 - 12:45 Digital tools for BIPV in a BIM-based process

Lunch

13:45 – 14:15 Activity! Strengths and Challen-

ges of BIPV

14:15 – 14:45 BIPV dynamics and trends: dutch market overview and challenging

14:45 – 15:30

MASS-IPV and BIPV technical requirements: mass integration of IPV and key-requirements Break

15:45 – 16:15

Hints on quality and product certifications: technical requirements and current regulations 16:15 -16:45

Market Status, process challenges & Cost-effectiveness: competitiveness of investments and life-cycle costs



09:00 - 09:15

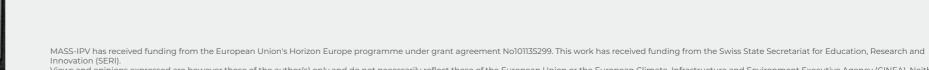
Welcome and brief introduction to the day 09:15 - 09:45 Activity! Quiz 09:45 - 10:30 Case study 1: OZ Architects

Break & Building Tour

11:15 - 12:00 Case study 2: Solarix 12:00 - 12:30 Activity! Case Study Mapping her materials, challenge in building process

Lunch

14:00 - 15:00 Building tour 1: Bold Tower 15:45 - 16:45 Building tour 2: Loft Office



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