

AMSTERDAM_April 2025

SOL(AR)CHITECTURE

Essentials

Get inspired
by our course
to make solar buildings!

DAY 1
Introduction to Solar Architecture
Four Elements Hotel

DAY 2
Case Study Building tour
OZ Architect & Solarix



29

30/04

2025

29,30

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SPEAKERS:

Day 1: Introduction to Solar Architecture

Pierluigi Bonomo (SUPSI)

Greta Battaglia (SUPSI)

Bruno Bueno (Fraunhofer-ISE)

Paolo Corti (SUPSI)

Fabio Parolini (SUPSI)

Ralph Dankers (BIPV World)

Ruud Derks (BIPV Nederland)

Day 2: Building tour to two Case Studies

Pierluigi Bonomo (SUPSI)

Greta Battaglia (SUPSI)

Jean-Didier Steenackers (Sunsoak)

Marlies Zwols (OZ Architect)

Marloes van Heteren (Solarix)

WHERE?

DAY 1-2

FOUR ELEMENTS HOTEL

Bert Haanstrakade 1074

NL-1087 HJ Amsterdam

TOUR DAY 2

LOFT OFFICE

Koivistokade 56,1013 BB

Amsterdam

BOLD TOWER

Badhuiskade 35-351, 1031

KV Amsterdam



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 Challenges 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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