

SOLARCHITECTURE - Essentials (Rotterdam, the Netherlands)

Module

Presentation

"SOL(AR)CHITECTURE - essentials." It is a two-day event titled "The Perspective Shift: A Training Workshop on BIPV (Building-Integrated Photovoltaics) as a Construction Element." It combines a theoretical/practical workshop with a guided solar architecture city tour.

Objectives

To train participants on treating BIPV as a construction element, covering the entire ecosystem from strategic definition and concept design to manufacturing and practical feasibility.

Prospects

Professionals interested in gaining knowledge of BIPV systems:

- architects and civil engineers
- real estate professionals
- project managers
- PV industry professionals
- any other professional looking to develop expertise in Solar Architecture

Certificate

Participation certificate SUPSI

Didactic credits

2 ECTS

Content

- Inspiration: Voices of Solar Architecture (including a docufilm on the CERN Science Gateway).
- Strategic Definition: Feasibility analysis, stakeholder mapping, solar radiation principles, and pre-design evaluation tools (from Solar Cadastre to AI).
- Concept Design: BIPV product technologies, customization (glass treatments, coloring/patterns), and aesthetic design.
- Manufacturing: Factory-related challenges, quality, fire safety, mass customization, and CPR & LVD requirements.
- Cross-pillar Exchange: Identifying process bottlenecks.
- Practical Application: City tour analyzing real BIPV installations through 4 specific "lenses" (Design, Manufacturing, Construction, Stakeholder).

Program

Day 1: 18 September 2026 (09:00 - 18:15) | World Trade Centre Rotterdam

- 09:00 - 10:45: Welcome & Pillar 0 (Inspiration).
 - 10:45 - 12:30: Pillar 1 (Strategic Definition) & Feasibility Workshop.
 - 12:30 - 13:30: Lunch.
 - 13:30 - 14:30: Panel Session ("The Panel is Dead, Long Live the Material").
 - 14:45 - 15:35: Pillar 2 (Concept Design) & "Design the Skin" Exercise.
 - 15:55 - 17:05: Pillar 3 (Manufacturing) & Clash Review Exercise.
 - 17:20 - 18:15: Cross-pillar Exercise & Closing Drinks.
- (Includes multiple 15-20 minute breaks throughout the day).

Day 2: 19 September 2026 | Rotterdam Central Station & City Centre

- Start: Rotterdam Central Station.
- Duration: TBC (To Be Confirmed).
- Activities: Extended stop at the Central Station, Architecture walk (approx. 1 hour), Markthal food break (45 mins), guided stop at Terraced Tower, metro transfer, and a closing segment in Kop van Zuid and Katendrecht.

Duration

2 days, approximately 16 lecture-hours

Head/s of course

Battaglia Greta, Bonomo Pierluigi

Lecturer/s

- SUPSI: Pierluigi Bonomo, Paolo Corti, Alberto Follo, Fabio Parolini.
- Becquerel Institute (BI): BÜsra Yılmaz-Depondt, David Moser.
- SUNSOAK Design: Jean-Didier Steenackers.
- Fraunhofer ISE: Bruno Bueno.
- BIPV NL: Ruud Derks (Moderator).

Dates

- Friday September 18th, 2026
- Saturday September 19th, 2026

Time

09:00 - 18:15 (Day 1) / TBC (Day 2)

Location

- AGENDA DAY 1 - INTRODUCTION

World Trade Center Rotterdam
Beursplein 37, 3011 AM Rotterdam
Solar Architecture Walking Tour

- AGENDA DAY 2 – SOLAR BUILDINGS ROTTERDAM TOUR

Rotterdam Central Station
3013 AJ Rotterdam

Tuition fee

CHF 150.-

This course is developed by SUPSI within the MASS-IPV project (massipv.eu), funded by the European Union: Grant No 101135299 and from the Swiss State Secretariat for Education, Research and Innovation (SERI).

- applicants will receive a registration confirmation/payment receipt after successful payment transaction
- major credit cards are accepted (VISA, Mastercard, PostFinance, Twint)

Contacts

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Continuing education
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dacd.fc@supsi.ch

Information

- limited admissions
- should the minimum number of eligible participants not be reached, SUPSI reserves the right to postpone the course

Registration deadline

by September 15th, 2026

Enrolment link

<https://fc-catalogo.supsi.ch/Course/Details/50457>

General conditions

Application and admission procedure

In order to attend a course, participants must first complete a formal and binding enrolment procedure. Admission to long-term courses is nevertheless subject to verification that the enrolment requirements have been met. In order to ensure high quality levels, SUPSI may set minimum and maximum numbers of participants.

Enrolment fee

If there is a fee charged for the course, the enrolment amount must be paid to the bank account of the University of Applied Sciences and Arts of Southern Switzerland (SUPSI):

- From Switzerland, before the course start date, using the payment slip sent together with the enrolment confirmation

- From abroad, after enrolment confirmation, by bank transfer to SUPSI.

Banca dello Stato del Cantone Ticino, CH-6501 Bellinzona

IBAN CH05 0076 4190 8678 C000C

Swift Code BIC: BSCTCH 22

Clearing 764

Reason for payment: Course name

Obligation to pay the enrolment fee

Enrolment fees must be paid within 30 days of the invoice date. The enrolment confirmation and the invoice are sent to the participant after the enrolment deadline for the course. In specific cases, a participant may request to pay the enrolment fee in instalments. This request must be sent to the appropriate administrative office before the enrolment deadline. The participant is the party responsible for paying the enrolment fee, and by enrolling on the course, in accordance with the LEF, she/he explicitly acknowledges her/his debt, together with her/his payment obligation, and undertakes to pay the amount due. Should the educational programme be financed by an employer, or by a third party, the participant is still in any case the debtor with SUPSI until the enrolment fee has effectively been paid by the employer or by the specified third party. In relation to this, should the employer or the specified third party fail to pay the amount due, the participant agrees, and has a commitment with SUPSI, to pay the enrolment fee. These payment obligation regulations do not apply to courses that do not stipulate any fees.

Cancellations and withdrawals

If the number of participants is too low, or for other reasons, SUPSI reserves the right to cancel a course. In this case, those enrolled will be notified promptly, and, any enrolment fees will be reimbursed in full. Participants who decide to withdraw from a course must pay 50% of the enrolment fee, if the withdrawal is notified:

- within 7 days from the course start date, for enrolments on short-term programmes (0-9 ECTS)

- within 21 days from the course start date, for enrolments on long-term programmes (10-60 ECTS)

Specific cases may be examined and determined together with the department directorate. In the event of withdrawals notified after the deadlines specified above, participants will not be entitled to any reimbursement and the entire enrolment fee will become immediately payable, without prejudice to any exceptions specified in the regulations of each course, to which explicit reference is made. Any participant who is unable to attend a course may propose another person in replacement, after having notified SUPSI and

after having received the approval of the course director. Should a participant request withdrawal due to illness or accident, the invoice for the enrolment fee may be cancelled, provided a medical certificate has been presented.

Modifications

SUPSI reserves the right to make changes to course programmes, registration fees, locations, in accordance with organisational requirements.

Accident insurance cover

Participants are not insured by SUPSI.

Privacy

Data is treated in compliance with Swiss legislation (Federal Law on data protection, and related Ordinance).

Court of jurisdiction

In the event of any dispute, the court of jurisdiction is the Court of Lugano, which is also the executive court in accordance with the LEF (Federal law on execution and bankruptcy). Swiss Law is the applicable law.