Funded by the European Union

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

SUPSI

Seamless-PV

SOLAR ARCHITECTURE Essentials

Get inspired by our course to make solar buildings!

DAY 1
Introduction to Solar Architecture
at Fernfachhochschule

DAY 2
Case Study Building tour
with Viridén+Partnerand Sunage

DAY 3
Company Atelier
3S Swiss Solar Solutions

ZURICH_May2025

SPEAKERS:

Day 1: Introduction to Solar Architecture
Pierluigi Bonomo (SUPSI)
Greta Battaglia (SUPSI)
Lena Kern (Swissolar)
Paolo Corti (SUPSI)
Fabio Parolini (SUPSI)
Alberto Follo (SUPSI)

Day 2: Building tour to two Case Studies
Pierluigi Bonomo (SUPSI)
Greta Battaglia (SUPSI)
Karl Viriden (Viridén+Partner)
Sunage

Day 3: Workshop at 3S Swiss Solar Solutions
Pierluigi Bonomo (SUPSI)
Greta Battaglia (SUPSI)
Heinz Friedli (3S)
Alain Rickli(3S)
Alexander Kunz (3S)
Pascal Müller (3S)

University of Applied Sciences and Arts of Southern Switzerland
SUPSI

Seamless-PV

21
22
23/05
2025

WHERE?

DAY 1-2
Fernfachhochschule
(FFHS) Campus Zürich
Zollstrasse 1, 8005 Zürich

DAY 3
3S SWISS SOLAR
SOLUTIONS
Rütimoosstrasse 5, 3076 Worb

© Photo: Alfonso Cannavacciuolo

SOL(AR)CHITECTURE
Essentials

21,22,23
MAY

AGENDA

DAY 1

08:30 – 9:10
Welcome, course introduction
09:10 – 09:45
Swissolar: overview of the Swiss Solar Market and industry outlook
09:45 – 10:15
BIPV and Architecture: solarchitecture.ch case studies

Break

10:30 – 11:30
Solar Technology Fundamentals: principles of photovoltaics cells& modules, BIPV design essentials
11:30 – 12:30
Design and modeling: processes and workflows for solar potential analysis and BIM-based modelling

Lunch

13:30 – 14:00
Activity! Strengths and Challenges of BIPV
14:00 – 14:45
Quality and product certifications: analysis of technical requirements and current regulations

Break

15:00 – 15:30
Market Status, process challenges & Cost-effectiveness: competitiveness of investments and life-cycle costs
15:30 –16:00
Building as part of a community: ZEV, Vzev, LEG
16:00 –16:15
Activity! Quiz

DAY 2

08:45 – 09:00
Welcome and brief introduction to the day
09:00 – 10:00
Case study 1: Viridén+Partner

Break

10:15 - 11:15
Case study 2: Sunage
11:15 – 12:00
Activity! Case Study Mapping her materials, challenge in building process

Lunch

13:30 – 14:00
Building tour: Apartment building on Hofwiesen and Rothstrasse
15:15 – 16:15
Building tour: Dorflistrasse 11

DAY 3

10:00 - 10:15
Welcome and brief introduction to the day
10:15 - 10:45
Company intro: History 3S, Cooperation & research partners, products
10:45 - 11:15
Influencing factors in the planning process

Break

11:30 - 12:00
Showroom visit
12:00 – 12:45
Production line tour: factory visit

Lunch

13:45 – 14:15
Easy mounting, easy planning: 3S Designer
14:15 – 15:15
Activity! Atelier with 3S
15:15 – 16:30
Projects: real case studies realised by 3S in Münsingen