

SUPSI

Building Integrated PhotoVoltaics (BIPV)



*Integrated PV plant, Croglia (CH)
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- ◆ Feasibility studies of PV systems
- ◆ Indoor/Outdoor testing and on-site analysis
- ◆ Lot acceptance
- ◆ Definition of new testing methods for characterisation and evaluation of BIPV components



Activities

Swiss BiPV Competence Centre research activities focuses on the integration of photovoltaic (BIPV) panels into buildings as building elements, such as conventional roof tiles, façade cladding, windows, shading devices or parapets. We offer planning, consultancy and concept development on all issues concerning energy systems and user comfort. Our investigations are supported by the most advanced simulation modules. Monitoring campaigns and tests under realistic conditions (outdoor measurement) can also be used for evaluating new solutions or to validate new models.

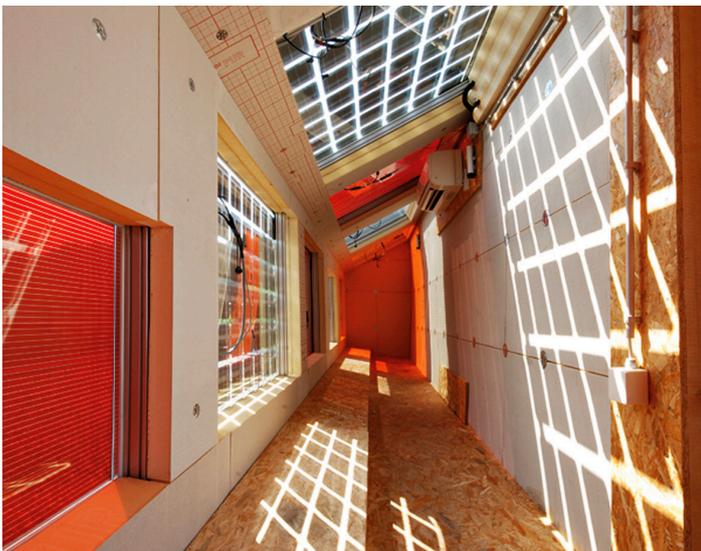


Service

The development of building solutions able to satisfy architects is needed to ensure long-term and widespread acceptance: SUPSI is supporting this trend with the design of innovative BIPV products for new and existing buildings, to reduce the energy consumption using computational simulation.

Our website (www.bipv.ch) provides essential information about PV technology integration to buildings and several project examples both in Switzerland and abroad.

The site includes the official list of PV modules and fastening systems allowing the setting up of an integrated PV plant according to Swiss national regulations.



Customers

- Support to architects and planners during the design phase, with cost analysis in order to define the most suitable solutions and to calculate the return of investment (ROI)
- Development, support, testing and certification of new products for BIPV manufacturers

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