BUILDING INTEGRATED PHOTOVOLTAIC (BIPV): TRAINING WORKSHOP AND GUIDED TOUR

BIMSOLAR Software user story
DEMO 1 (FD2 by FLISOM)

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FD2 Architectes, Stambruges (BE), FLISOM, 26 Nov 2019

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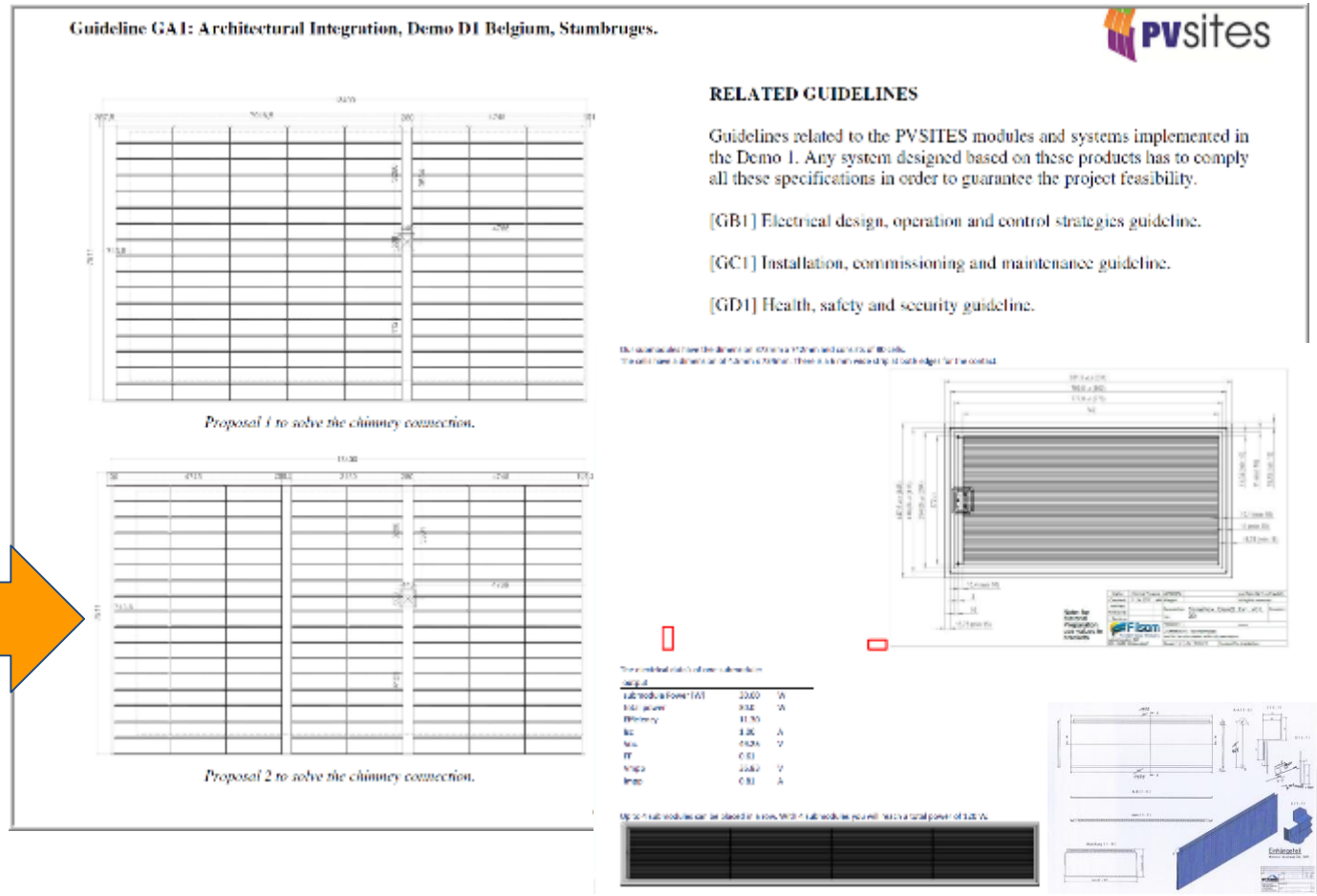
Identify your project / Location with common tools

Sketch / Design your 3D model

This mock-up (from FD2 Architectes) is as accurate as possible speaking of geometry (global, walls, windows). You can already set-up your BIPV layout (grid)

Stick to architectural/technical configuration for BIPV



Guideline GA1: Architectural Integration, Demo D1 Belgium, Stambruges.

PVsites

Proposal 1 to solve the chimney connection.

Proposal 2 to solve the chimney connection.

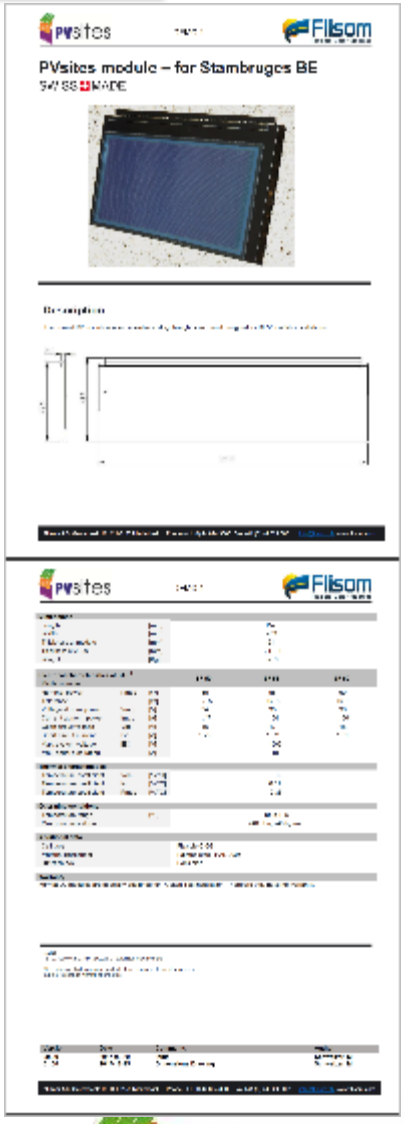
RELATED GUIDELINES

Guidelines related to the PVSITES modules and systems implemented in the Demo 1. Any system designed based on these products has to comply all these specifications in order to guarantee the project feasibility.

[GB1] Electrical design, operation and control strategies guideline.

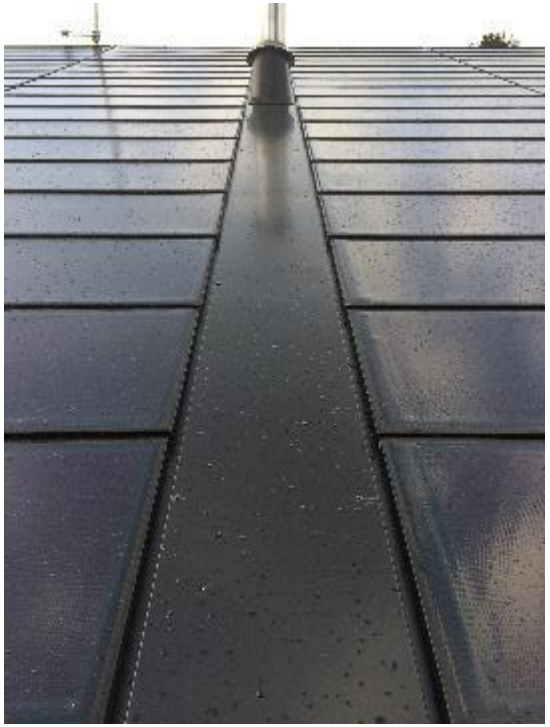
[GC1] Installation, commissioning and maintenance guideline.

[GD1] Health, safety and security guideline.



PVsites module – for Stambruges BE

Aesthetic issues must be anticipated

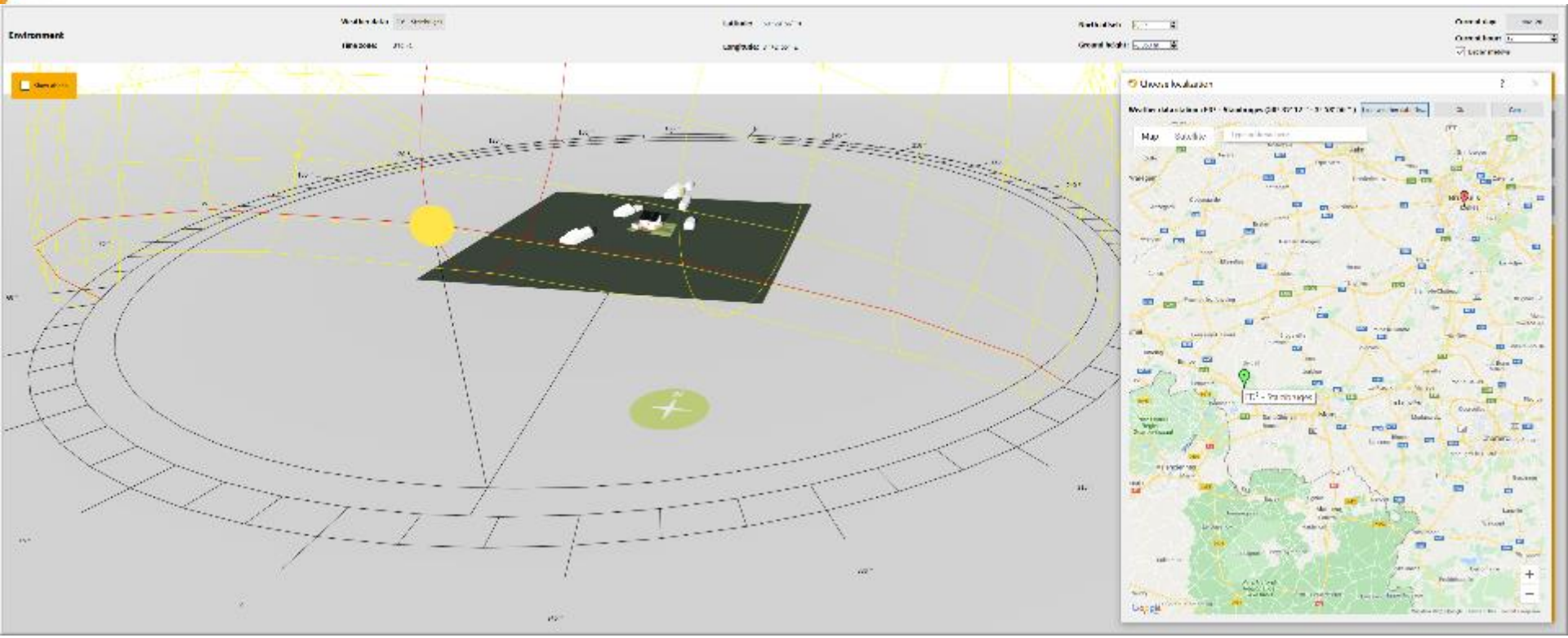


Video: BIPV modelling

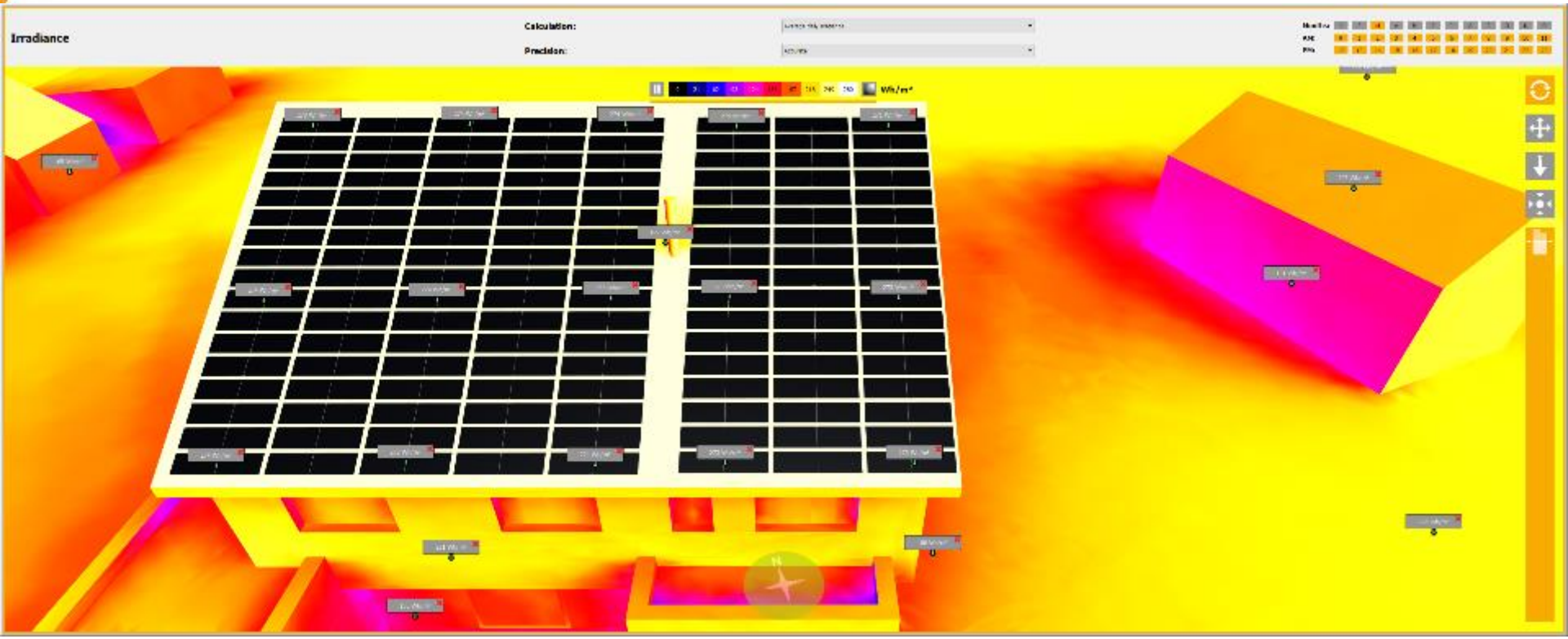
BIPV modelling

To SUMMARIZE…

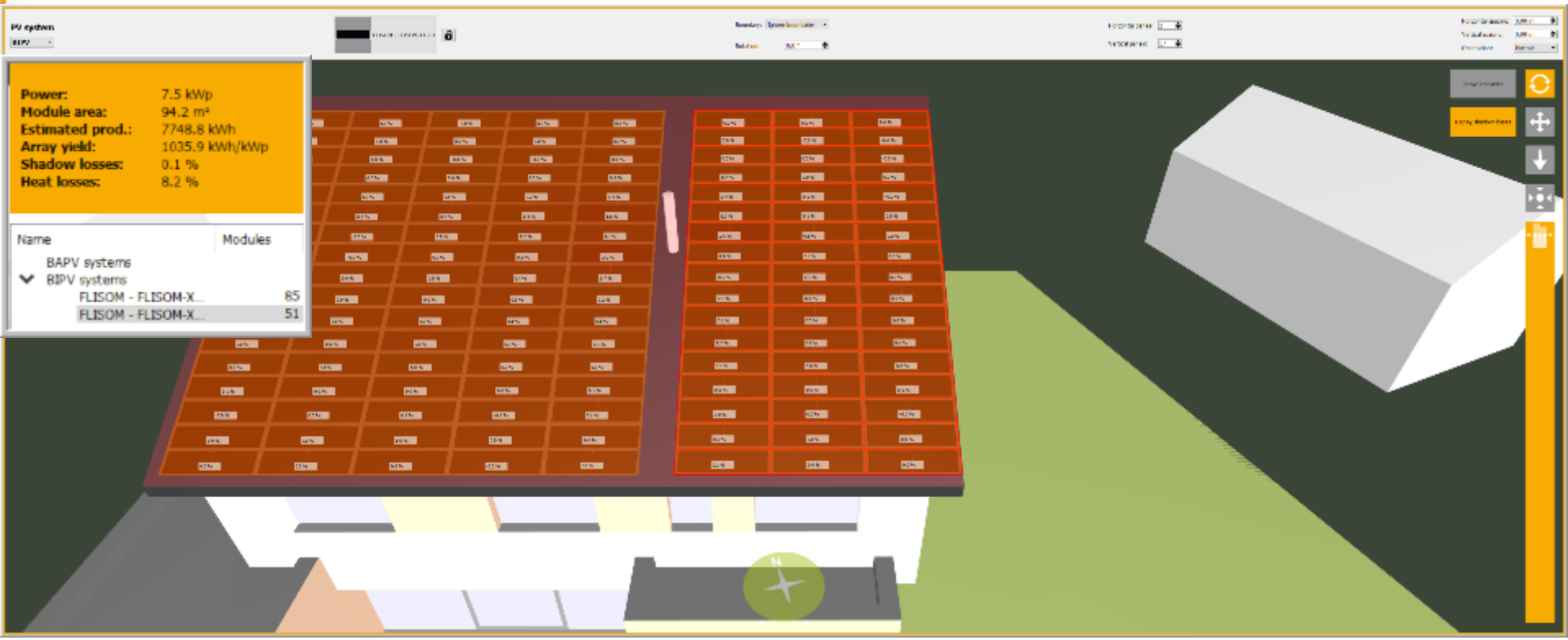
Inputs: 3D model importation / Geolocation / Weather data



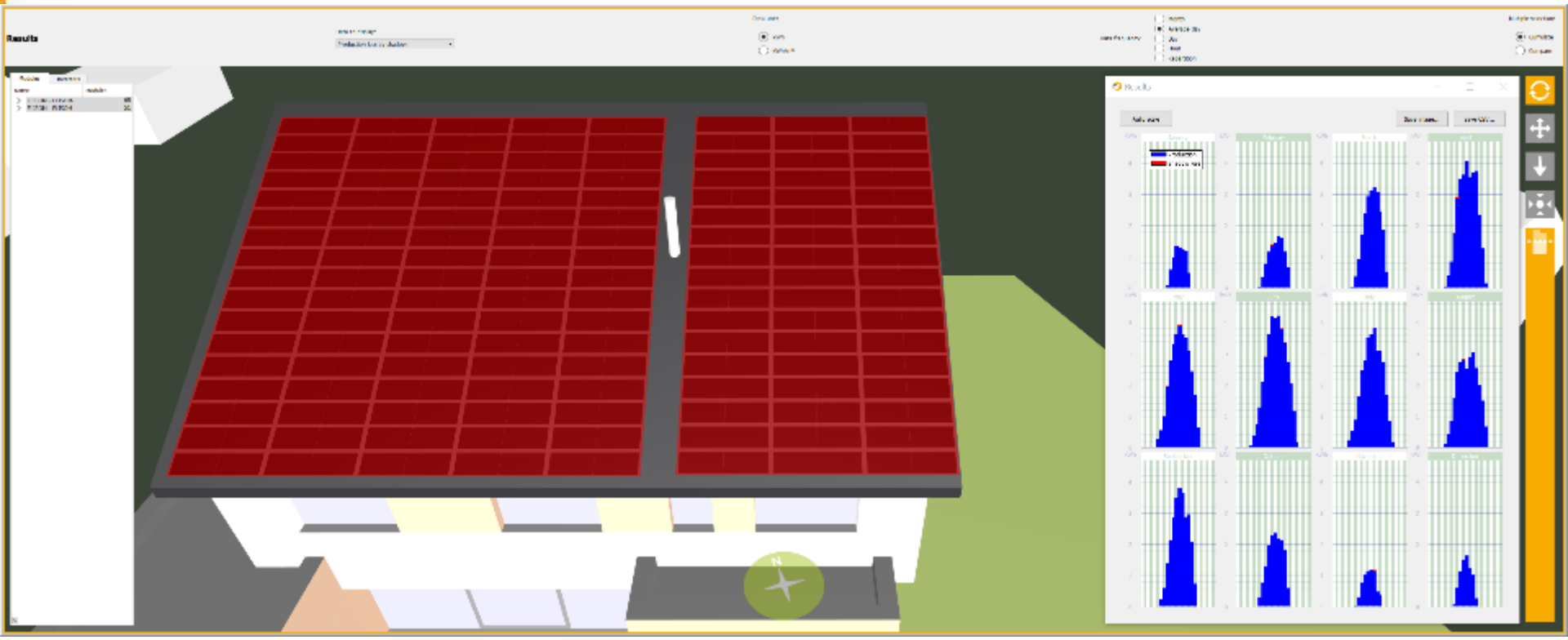
Irradiance – solar potential mapping



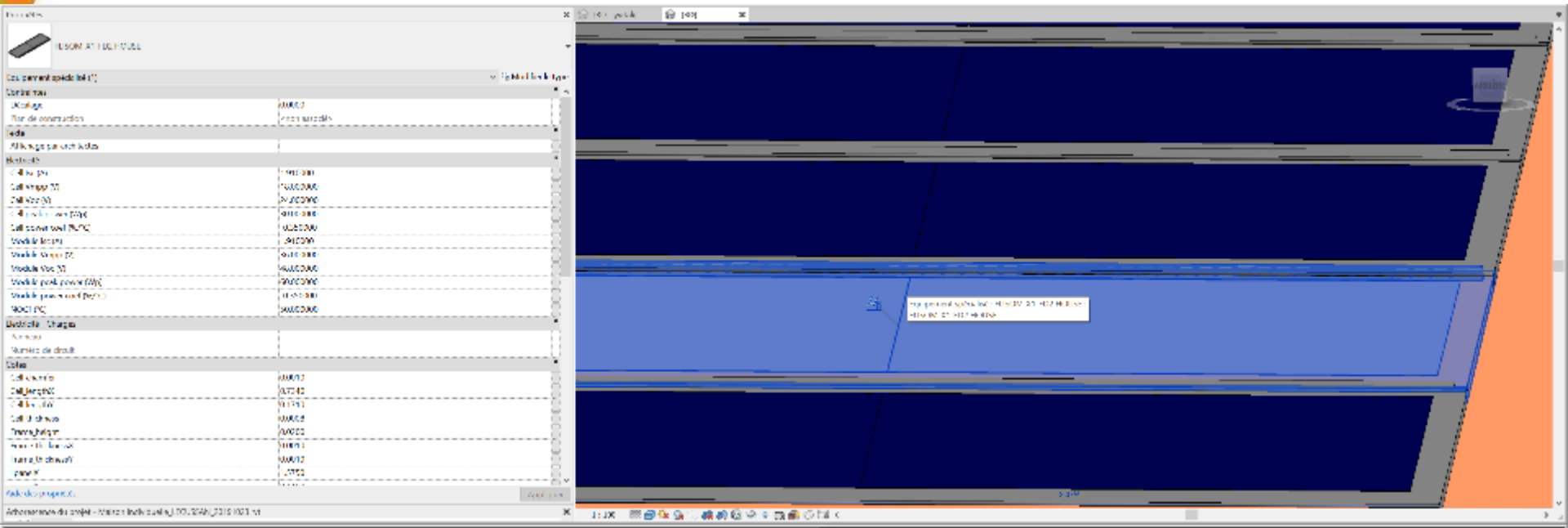
BIPV layout: build your virtual installation in 3D and get instant results (production, yield, losses)

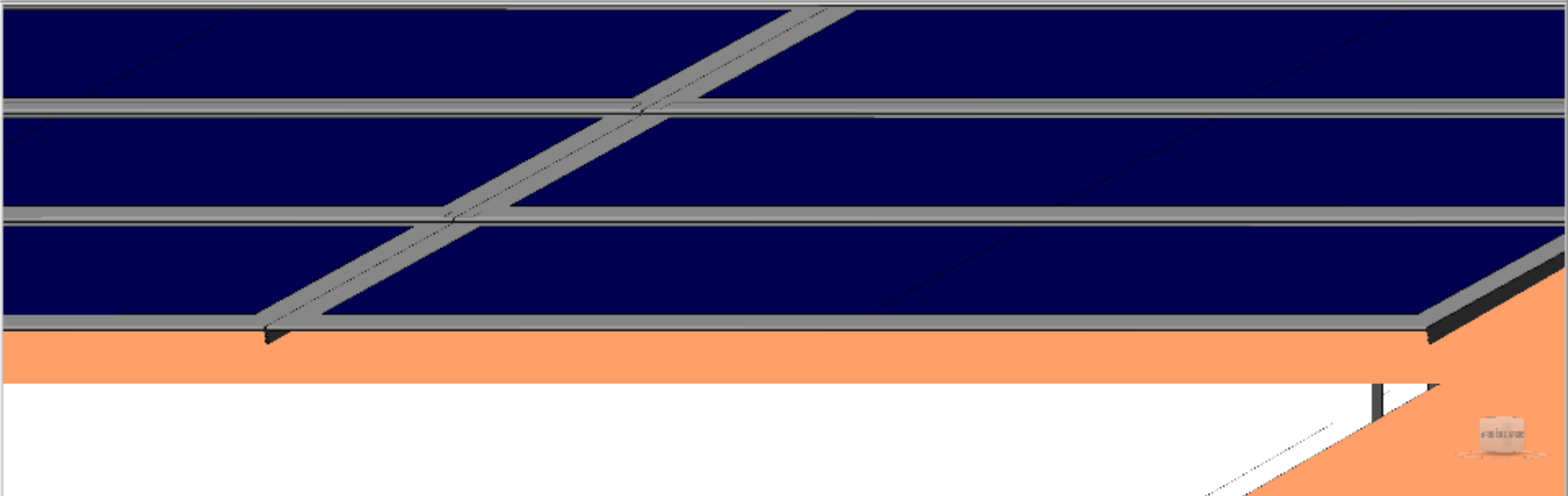


Results: 3D display, csv exportation. Get DC production, losses, at element level, 1H to 1Y timestep - What if Analysis



X2-FLISOM BIM PVSITES objects





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