NEWSLETTER #7 - November 2026



Dear Reader,

Coordinating SPHINX has been quite a journey, from developing new materials and module designs to getting them onto real demonstrators… with a few changes of plan along the way!

Bringing these ideas to life has taken time, plenty of discussions and some patience when things did not quite go as expected.

Thank you to all our partners for your work, your commitment and the support throughout the project. I have learned a lot from our exchanges and enjoyed getting to know the people behind the different teams. Beyond the technical results, these relationships are something I will take away from SPHINX.

It has been a pleasure to share this adventure with you. I hope we will have the opportunity to work together again and put what we have learned into practice!

Mehdi Sahli
SPHINX Project Coordinator — Voltec Solar

News

GA meeting in Strasbourg and Merdingen

Over the course of the project, we have worked together, tackled challenges and turned ideas into tangible results. These achievements were presented and discussed during a two-day final General Assembly, co-organised by VOLTEC in Strasbourg and Fraunhofer ISE in Merdingen. The meeting also offered partners the opportunity to visit three of the planned demonstrators: the **carport, the noise barriers and Salvaterra** — bringing our work to life!

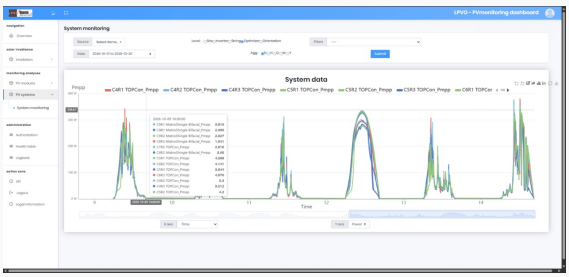
To mark this important milestone, we also organised a final online webinar, bringing together project partners, external experts and participants for one last exchange of insights and ideas.

The session featured inspiring contributions from experts at CSTB, SUPSI and the Becquerel Institute, covering a range of topics central to the project's mission.



SPHINX Stories

The past 6 months, the last ones for the project has been – as usual – quite intense and busy. But we could finally collect what we had sown since the project start and enjoy the results. Celebration of the SPHINX success stories was presented during the public webinar hosted during the last GA meeting .



Check live monitoring data from SPHINX demos

The monitoring of the SPHINX demonstrators is up and running!
Through the EPFL monitoring platform, you can access the data and see how the results of three years of work are performing.

Users can explore data such as energy, power, irradiance and temperature for the different project demonstrators: roof tiles (from different houses), façades, noise barriers and Salvaterra. The carport will be included shortly, once connection is completed and data is available.

The platform also lets you filter the data by time period, location and data level (optimizer, string, inverter, site and orientation).

Access the platform here via this link.



Nexus Tool for Matrix Processing

Partners M10 and Fraunhofer-ISE, within WP4 activities designed *the Nexus tool* to support Fraunhofer ISE in their pilot line for PV modules based on the Shingle Matrix Technology for integrated applications.
It supports the module production at the Fraunhofer ISE with enhanced precision and throughput, replacing several processes that were previously performed manually.

Full article available here.

Reusable Pallet Cases for Solar Roof Tiles



Partners FSUNS, M10 and Fraunhofer-ISE developed the *SPHINX 3D Printed reusable Freesuns Solar Roof Tile Packaging* which could solve the reusability, the ease of unpacking on the roof, the ergonomics for the roofer and offer greatly improved stability of the packaging of the Freesuns solar roof tile.

Full article here.

Project Results

Last deliverable reports have been submitted:

- D1.4 - Final Quality Assurance and Risk Management Plan
- D2.4 - Exploitation plans and IPR protection strategies
- D4.3 - Front end automation
- D5.5 - Demonstration of advanced PV technology for carport application
- D5.7 - Performance of demonstrators
- D6.3 - Report on 3R's of IPV products: Repair, re-use, recycle
- D6.5 - Cost assessment of SPHINX IPV
- D6.6 - Readiness of the value chain for SPHINX technologies and products
- D6.7 - Final update on LCA report on SPHINX IPV products

All deliverables can be found here.

Events

During the past months, the last ones for the project, SPHINX joined and contributed to several national and international events:

- Intersolar Europe in Munich - Intersolar 2026 was held at 23-25 June in Munich, Germany. SPHINX partners VOLTEC, HELIUP, M10 and Becquerel Institute proudly represented the project (at the conference and exhibition)! Check all pictures and contribution here and here.
- EVERPV - Advancing Circularity in the Photovoltaic Industry: Key Outcomes from the EVERPV Scientific Workshop, held on the 2nd July 2026. Partners CSEM and EPFL participated to the event. Full report can be read here.
- EUPVSEC 2026 - The EUPVSEC conference is always (one of) the place to be organisations working on photovoltaic and solar energy! Of course SPHINX could not miss the opportunity: partners EPFL, Becquerel Institute, and Fraunhofer ISE gave their presentations at the event. VOL, UNR, CEA, CSEM also participated at the conference.

Check all pictures and contribution here and here.



Impact Generated

Results achieved in the project will live and impact the sector also beyond the project lifetime:

- Partner Becquerel Institute represented the project at IEA PVPS Task 15 General Assembly. This event allowed connecting with key BIPV stakeholders for the ongoing activities related to WP6 – Task 6.3. Collaboration and discussion will continue!
- PV-Symposium - An abstract on the SPHINX solar roof tiles was submitted in October 2026, by Fraunhofer ISE and FSUNS, for the PV-Symposium (planned 9-11 March 2027 in Bad Staffelstein).
- RE+ Innovation Forum in Las Vegas - Fraunhofer ISE will give a presentation related to project results "Innovation for BIPV Modules: shongle-Matrix and ShadeCut Technology".
- WCPEC in Korea - CSEM will presents project related results titled: "WHAT MAKES AN ENCAPSULANT PID-SAFE ON TOPCON".

Project Publications

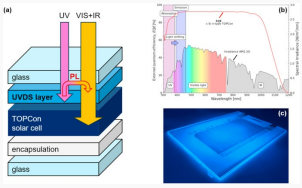
The project managed to publish different Open Access publications during its lifetime, check here for all papers. The last ones and most recent has been:



Meeting the challenges of long life time PV on buildings

Authors: Mélodie de l'Epine, Research & Innovation projects, Becquerel Institute & Jose M[a] Vega de Seoane, Managing Director, Becquerel Institute España.

Keywords: Applications and Installation



Optical modelling and energy-yield assessment of UV down-shifting layers for high-efficiency TOPCon solar modules

Authors: Benjamin Lipovsek, Spela Tomsic, Nicolas Frédéric Rochat, Lison Marthey, Henguy Li, Jordi Escarre Palou, Delphine Petri, Jacques Levrat, Florian Ollagnon, Matthieu Despeisse, Franz-Josef Haug, Antonin Faes, Christophe Baliif, Marko Topic

Cluster Collaboration

Communication and collaboration about the sister projects actively continued till the end of the project. Webinars, events, and workshops have been promoted via SPHINX website and social media.

In addition, the INCREASE project has been presented during SPHINX final public webinar on October 14th.

Upcoming events (co) organised by sisters projects are:

- SEAMLESS-PV project - Integrated Photovoltaic Conference 2026 - 3-4 December 2026, Florence, Italy

SPHINX as a Consortium

Project Partners

SPHINX joins a multi-disciplinary consortium with 12 partners, located in 7 European countries including Italy, Germany, Belgium, Switzerland, France, Spain and the Netherlands, to discover cost-effective, aesthetically pleasing photovoltaic solutions and cutting-edge technology, driving us towards a sustainable and low-impact energy future.



French translation on the website
For our French speaking readers, partns of the SPHINX website are tranlated into French.
Pour nos lectueurs francais, nous avons aussi une version francaise du site web ici.

Facts & Figures
Start date: 01 November 2023
Duration: 36 months
Total Costs: € 8,936,233

Funding by the EC: € 5,247,990
Funding by the CH: € 2,185,513



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