



# Manifesto

## Mission

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The mission of [European Solar Buildings](#) is to advance and promote the integration of solar photovoltaics into the built environment (BIPV), fostering innovation, collaboration, and education. Our platform aims to support the EU's RepowerEU and Renovation Wave initiatives by connecting the solar and building sectors, ensuring a "Made in EU" BIPV industry, and coordinating strategic actions and events.

## Vision

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European Solar Buildings envisions a sustainable future where buildings play a central role in generating clean energy, contributing to the EU's ambitious renewable energy targets. By connecting stakeholders, promoting innovation, and providing education and training, the Platform aims to accelerate the adoption of BIPV solutions, creating green jobs, and establishing Europe as a global leader in BIPV technology.

## Goals

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- **Connect and Strengthen:** Foster collaboration by connecting existing European associations and groups with expertise in BIPV. Strengthen the value chain by synergizing efforts between the solar (PV) and building (AEC) sectors.
- **Innovate:** Support the development of a highly innovative "Made in Europe" BIPV industry in alignment with the EU Solar Initiative. Encourage research and development to enhance the competitiveness and resilience of the BIPV value chain.
- **Educate and Train:** Advocate for EU policies dedicated to upskilling and reskilling building professionals for solar architecture. Bridge the gap between the construction and BIPV sectors by facilitating training courses, workshops, and events.
- **Promote Regional Innovation:** Coordinate national initiatives to encourage collaboration between PV and construction industries in pilot countries. Facilitate knowledge exchange and best practices to accelerate the integration of BIPV in diverse regional contexts.

## Mission areas

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### **G1. Value-Chain Synergy:**

Mission: Forge interconnectedness between the European solar (PV) and building (AEC) sectors by leveraging the synergies inherent in existing EU associations. Our aim is to strengthen the entire value chain, ensuring a cohesive and collaborative approach to building integrated photovoltaics (BIPV). By fostering cooperation, we seek to enhance the efficiency and effectiveness of the BIPV industry across Europe.

### **G2. Innovative Industry Support:**

Mission: Propel and sustain a highly innovative "made in Europe" BIPV industry that aligns seamlessly with the goals of the EU Solar Initiative. We are committed to providing comprehensive support to foster groundbreaking advancements in BIPV technology. Through strategic partnerships, research, and development initiatives, our goal is to position Europe at the forefront of innovation in the BIPV sector, contributing significantly to the region's sustainable energy landscape.

### **G3. Education & Training Advocacy:**

Mission: Advocate for European Union policies dedicated to the interdisciplinary upskilling and reskilling of building professionals specifically tailored for solar architecture. Our focus is on nurturing a skilled workforce equipped to drive the integration of BIPV solutions. By championing education and training initiatives, we aim to bridge the knowledge gap between construction and BIPV sectors, ensuring a proficient workforce capable of driving the future of solar-powered architecture.

### **G4. • Engagement and awareness:**

**Mission:** Engaging a wider audience with ad hoc initiatives to promote general awareness of end users' involvement and knowledge transfer to a wider public. Facilitate collaboration between PV and construction industries to accelerate BIPV in diverse contexts. Coordinate and facilitate national initiatives in designated pilot countries. Fostering regional innovation by encouraging knowledge exchange and best practices.

## Why creating a European BIPV Platform

- What are the key elements of the EU Solar Strategy, and how does it set the stage for significant solar buildings deployment in Europe?
- How can the objectives outlined in the REPowerEU package, such as the Solar Rooftops Initiative and the Net-Zero Industry Act, be effectively realized through a collaborative European effort?
- In light of the Renovation Wave Strategy, what opportunities arise for integrating solar PV, particularly BIPV, in building renovations to meet climate goals?
- How does the legislative landscape, including the Energy Performance of Buildings Directive, create a favorable environment for BIPV integration?
- Considering the SEAMLESS-PV project, what role can a new European BIPV Platform play in connecting existing platforms, training initiatives, and fostering collaboration between construction and BIPV sectors?

## Keys for a competitive BIPV sector in the EU

### A) High-level Discussion on Photovoltaic Buildings in EU Strategies:

- Highlighting the key strategies to synchronize PV adoption with EU renewable energy goals and expedited permitting processes.
- Identifying critical priorities to enhance BIPV adoption, transitioning from rooftop solar to comprehensive integration into entire buildings.
- Exploring the role of initial integrated investments in integrating BIPV during building renovations and strategies to overcome associated barriers.
- Outlining specific action points and advantages crucial for achieving practical and ambitious solar implementation in building structures.
- Focusing on collaboration mechanisms among stakeholders to ensure the practical realization of identified priorities.

### B) Solution to Massively Deploy Solar Buildings in Europe:

- Evaluating the current solar capacity of European buildings and its alignment with Repower-EU objectives and the Renovation Wave Strategy.
- Investigating the necessity for substantial growth and capacity enhancement in BIPV despite the existing availability of over 200 products.
- Analyzing the insights gained from pilot projects to shape the roadmap for large-scale BIPV deployment, considering market readiness and cost competitiveness.
- Identifying key priorities to address existing barriers and outlining strategies for the successful implementation and growth of BIPV at the EU level

### C) European BIPV Manufacturing: A Competitiveness Key for EU?

- Exploring the role of BIPV in revitalizing the European solar PV industry and its significance in establishing a robust and diversified supply chain.
- Examining various manufacturing approaches for BIPV modules and aligning them with EU objectives for a competitive and sustainable BIPV sector.

- Assessing how research and innovation initiatives can bolster replicable BIPV production models, considering the entire supply chain and its connection with the construction industry.
- Formulating potential solutions to address challenges in BIPV manufacturing, ensuring successful development and leadership in the EU.

#### **D) Integrated Reskilling Strategies for Solar Architecture:**

- Examining the labor-intensive nature of BIPV deployment and the need for cross-sector collaboration for skilled workforce development.
- Identifying challenges in reskilling and strategies for leveraging existing expertise from electrical and construction sectors within the BIPV domain.
- Discussing approaches to enhance interdisciplinary and vocational education to cater to the specific demands of the BIPV sector, involving professionals from diverse sectors.
- Addressing knowledge gaps in current education and training for BIPV and proposing methods to establish specialized training for professionals in solar architecture.
- Identifying strategic approaches in discussions to guide future training actions, particularly those aimed at developing skilled solar architects.

## **Structure**

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SEAMLESS-PV aims to introduce an innovative EU-level initiative by establishing and leading the European Solar Buildings platform. This initiative involves the creation of a robust and enduring alliance, guided by strategic, transparent, and operational principles, all geared towards advancing the goals of the Renovation Wave strategy through BIPV. The core structure of the Platform will offer the highest European added value to its members and stakeholders, comprising:

### **1) Supporting European Solar Buildings: membership**

Becoming a member of the BIPV Platform is easy. Your organization shall send a letter via email, expressing your interest to join the Platform and the reasons behind it. The letter shall indicate the representative of the organization in the Leadership Assembly (see point 2).

#### Engagement Activities:

- Contribute to an advisory board or leadership assembly
- Participation in 3 IPV Workshops organized by SEAMLESS-PV (2024-2026): Stakeholders are encouraged to attend three Integrated Photovoltaics (IPV) Conferences held between 2024 and 2026, the conference will be without fees but travel and accommodation costs shall be covered by you.
- Association Logo Inclusion: Stakeholders have the opportunity to showcase their commitment by featuring their association's logo on the BIPV Platform website and manifesto.

#### Advantages:

- **Cost-Free Membership:** Enjoy the benefits of Eu Solar Buildings without incurring any membership fees until 2026.
- **International Framework Connection:** Establish meaningful links with the European Union (EU) and International Energy Agency (IEA) frameworks, specifically in the realm of solar architecture.

#### **1) Leadership Assembly:**

Description: The Leadership Assembly serves as a pivotal plenum overseen by SEAMLESS-PV project members. It is strategically designed to act as the driving force behind the coordination of efforts with existing EU networks and the formulation of forward-thinking strategies for the Building Integrated Photovoltaics (BIPV) sector.

Objective: The primary objective of the Leadership Assembly is to spearhead transformative change within the BIPV sector, ensuring that these changes are not only impactful but also in perfect alignment with the policies and vision outlined by the European Commission (EC).

#### Key Components:

- **Project Oversight:** SEAMLESS-PV project members play a central role in steering the Leadership Assembly, providing insights and expertise to guide the strategic direction.
- **Coordination with EU Networks:** The assembly actively collaborates with existing EU networks to leverage collective knowledge and resources, fostering a collaborative ecosystem.
- **Strategic Formulation:** By functioning as a think tank, the Leadership Assembly actively formulates strategic initiatives that propel the BIPV sector forward in accordance with the evolving landscape and EC directives.
- **Involvement of Key Experts:** Recognizing the importance of diverse expertise, the Leadership Assembly may involve key experts, bringing specialized knowledge to inform and enrich the decision-making process.

In essence, the Leadership Assembly is not only a coordinating body but a dynamic forum where expertise converges to drive innovation and advancements in the BIPV sector, ensuring a robust response to the EC's policies and contributing significantly to the success of the Renovation Wave strategy.

#### **2) Advisory Board:**

Description: The Advisory Board constitute a versatile and interdisciplinary group that functions as a strategic advisory body within the Platform. This inclusive composition embraces representatives spanning diverse sectors, including academia, architects, associations, enterprises, European policymakers, public bodies, standards organizations, and various categories and associations within the PV and building sectors (ETIP-PV, Solar Power Europe, ECTP, ECBS, IEA).

Objective: The primary aim of this body is to provide a mosaic of diverse perspectives and expertise, thereby offering comprehensive guidance to inform and elevate the Platform's initiatives.

### Key Components:

- **Interdisciplinary Representation:** Ensuring inclusivity, the Advisory Board brings together expertise from a spectrum of sectors critical to BIPV success.
- **Stakeholder Diversity:** Representatives from academia, architectural spheres, business entities, policymakers, and standards organizations ensure a holistic approach to decision-making.
- **Strategic Input:** The Advisory Board offers strategic insights and recommendations, leveraging the collective wisdom of its diverse membership.
- **Alignment with Renovation Wave Strategy:** Through its varied expertise, the Advisory Board actively contributes to the Platform's endeavors, strategically aligning initiatives with the overarching goals of the Renovation Wave strategy.

This meticulously crafted structure fosters effective coordination, aligns strategically with key EU policies, and integrates a wealth of expertise from stakeholders crucial to the success of European Solar Buildings. The collaborative efforts of the Leadership Assembly and the Membership/Advisory Board synergize to propel the Platform towards achieving the objectives outlined in the Renovation Wave strategy.

## **Collaboration areas**

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### **2) Optional Further Opportunities**

Objective: Encourage stakeholders to explore additional involvement beyond the core collaboration, providing optional opportunities for deeper engagement.

- **Events and Workshops:** Actively engage in and support various events and workshops organized by European Solar Buildings.
- **Teaching Contributions:** Stakeholders can contribute to training courses, offering their expertise and insights.
- **Demo Visits:** Participate in and support demonstration visits as part of training initiatives.