

EU Solar PV Industry Alliance sets target of 30GW of PV manufacturing capacity by 2025 and starts work with EIT InnoEnergy as lead

Alliance launch statement sees the European Commission and leaders of the European PV industry commit to working jointly to accelerate and de-risk investments across the solar PV value chain. EIT InnoEnergy to lead the delivery of the group's newly launched strategic action plan.

9 December 2022: [EIT InnoEnergy](#), the innovation engine for sustainable energy across Europe, supported by the [European Institute of Innovation & Technology](#) (EIT), a body of the European Union, has been appointed by the European Commission as the Secretariat to the EU Solar Photovoltaic (PV) Industry Alliance. EIT InnoEnergy is joined by SolarPower Europe and the European Solar Manufacturing Council on the alliance's steering committee.

To deliver the EU Solar Strategy objectives, EIT InnoEnergy will lead the Alliance in its ambitions to re-develop, de-risk and accelerate the PV industry in Europe across all segments of the value chain to create its competitive position in the context of booming demand for solar PV in Europe and globally.

The targets set by the Alliance, together with the European Commission, are to develop an industry to supply an annual capacity of 30 GW by 2025, adding 60 billion Euros of new GDP every year in Europe and creating more than 400,000 new jobs (direct and indirect).

To achieve these ambitions, the Alliance will follow a seven-pronged strategic action plan covering the key conditions for investments in PV manufacturing capacities in Europe:

- Identify manufacturing scale up bottlenecks and provide recommendations
- Facilitate access to finance, including establishing commercialisation pathways for solar PV manufacturing
- Provide framework for cooperation actions for development and uptake
- International partnerships and global supply chain resilience
- Supporting the solar PV research and innovation base
- Promoting circularity and sustainability measures
- Upskilling and nurturing of skills through partnerships and training programmes

As per the joint launch statement signed today, the first priority actions will be:

- a) Mobilising public and private finance for European solar PV manufacturing projects to scale up capacity, making best use of all existing and new European financing instruments, notably: the Innovation Fund clean technology manufacturing window in the current large-scale call, the REPowerEU chapter in the national recovery and resilience plans, the EIB contribution to expanding the EU's clean energy technology manufacturing capacity in the context of REPowerEU.



- b) Ensuring a sustainable level playing field and stimulating demand for competitive, efficient and sustainable PV products and systems.
- c) Working on the swift implementation of ecodesign requirements for PV systems and products and on public procurement actions.
- d) Anticipating the skills requirements of this new industry with the start of the European Solar PV Industry Alliance Academy.

Spearheading the roll-out of plans, EIT InnoEnergy will build on its impressive track record of leading the European Battery Alliance (EBA). Having delivered the industrial workstream of the EBA since its launch in 2017, EIT InnoEnergy has built a blueprint for industrial value chain development, bringing together the people and resource required for acceleration and scale.

Diego Pavia, CEO of EIT InnoEnergy said, “We are honoured to be appointed to lead the work of the EU Solar PV Industry Alliance. As we have done for batteries through our work on the European Battery Alliance, we will now do for solar PV, leveraging our robust industrial value chain blueprint and network of stakeholders to achieve rapid development of manufacturing projects across the solar PV value chain for the benefit of EU citizens.”

At the Alliance launch, Thierry Breton, European Commissioner for the Internal Market, said, “Third countries are giving massive support to develop their clean tech industries and attract ours. The EU needs to up its game in terms of investment and regulatory environment for our clean tech manufacturing to thrive, create jobs in Europe and compete globally. The new European Solar PV Industrial Alliance is a key initiative to decrease dependencies and boost EU manufacturing capacity of solar PV technologies to 30 Gigawatt annually by 2025 across the full value chain.”

As the Secretariat of the Alliance, EIT InnoEnergy will facilitate business and industrial cooperation across the solar PV value-chain, lead the implementation of the strategic industrial action plan, manage membership, gather and disseminate market intelligence, manage communications and run the Alliance’s ‘Business and Investment Platform’.

SolarPower Europe and the European Solar Manufacturing Council will join EIT InnoEnergy on the Alliance’s steering committee as recognition of their role as key industry stakeholders. Together, the steering committee will oversee the delivery of the Alliance’s work and the European Solar PV Forum, a large, annual public event that will facilitate high-level policy and political discussions.

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Notes to Editors

In more detail, the Strategic Action Plan set out by the EU Solar Photovoltaic (PV) Industry Alliance is as follows:

- Identify manufacturing scale up bottlenecks and provide recommendations:
 - Identifying barriers for the rapid development and scale up of EU solar PV manufacturing capacity to reach a pre-determined target for 2025 and 2030 matching the REPowerEU plan. This will include technology, permitting for new production sites, addressing supply chain bottlenecks and raw materials and component needs and tackling labour and skill shortages. Collaboration with entities including the European Raw Materials Alliance will leverage joint expertise. The Alliance will act as a channel for its members bring issues to the attention of the European Commission and EU Member States, and to jointly work towards solutions.
- Facilitate access to finance, including establishing commercialisation pathways for solar PV manufacturing
 - The Alliance will map available investment opportunities and funding options, as well as develop investment project pipelines, with the objective to attract private investments to support the de-risking, upscaling and market deployment of innovative and competitive PV products made in Europe.
 - Identification of investment opportunities to support the EU solar PV manufacturing value chain will target critical links to allow for the commercialisation of innovative solutions. It will also account for critical needs coming from standards, metrology, ecodesign as well as from technology transfer and business scale up dimensions.
- Provide framework for cooperation actions for development and uptake
 - The Alliance will facilitate exchanges between EU manufacturers and large public buyers and private off-taker, notably through exchange of best practices in purchasing renewable electricity through innovative mechanisms, to respond to aggregated public demand for solar energy and feed into technical specifications for the purchasing of new solar technologies.
- International partnerships and global supply chain resilience
 - To achieve the objective of securing a diversification of supplies, the Alliance will organise discussions to analyse the possibilities of alternative international suppliers, partners and off-takers via existing and future partnerships, dialogues and trade fora.
- Supporting the solar PV research and innovation base
 - The Alliance will consider the most innovative results from the European innovation ecosystem in order to identify new innovation-driven industrialisation opportunities. This will include past and future results from EU-based start-ups, EU's research and innovation Framework Programmes as well as research and innovation activities in other EU programmes.
- Circularity and sustainability
 - The Alliance will focus on circularity and sustainability, including the reduction of carbon footprint, pollution and biodiversity loss. It will facilitate and increase



communication across the value chain to encourage reuse and recycling/recovery, consider material substitution solutions, carbon and environmental footprint reduction options the potential of material recovery and monitoring and anticipation of possible bottlenecks, including with regard to access to raw materials.

- Skills
 - The Alliance will explore the skills needed for uptake and manufacturing of solar PV and suggest solutions such as training programmes and will cooperate with the EU large-scale Skills Partnership for onshore renewables. A Solar Skills Academy inspired by similar initiatives in other industrial alliances is to be considered.

About EIT InnoEnergy

[EIT InnoEnergy](#) operates at the centre of the energy transition and is the leading innovation engine in sustainable energy, bringing the technology and skills required to accelerate the green deal and Europe's decarbonisation goals.

Recognised globally as the [most active sustainable energy investor](#) and one of the largest [climate tech](#) and [renewable energy tech](#) investors in 2020, EIT InnoEnergy backs innovations across a range of areas. These include energy storage, transport and mobility, renewables and sustainable buildings and cities – leveraging its trusted ecosystem of 1200+ partners and 29 shareholders.

The 180+ portfolio companies are on track to generate €72.8 billion in revenue and save 1.1G tons of CO₂e annually by 2030.

EIT InnoEnergy is the driving force behind three strategic European initiatives which include the [European Battery Alliance](#) (EBA), [the European Green Hydrogen Acceleration Centre](#) (EGHAC) and the [European Solar PV Industry Alliance](#) (ESIA).

EIT InnoEnergy was established in 2010 and is supported by the European Institute of Innovation and Technology ([EIT](#)), an independent EU body set up in 2008 to drive innovation and entrepreneurship across Europe. Today, EIT InnoEnergy has offices across Europe and in Boston, US.

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