

**The take-back and recycling system
for photovoltaic modules in Europe**



**Assuming our members' extended
producer responsibility**

WHAT IS PV CYCLE?

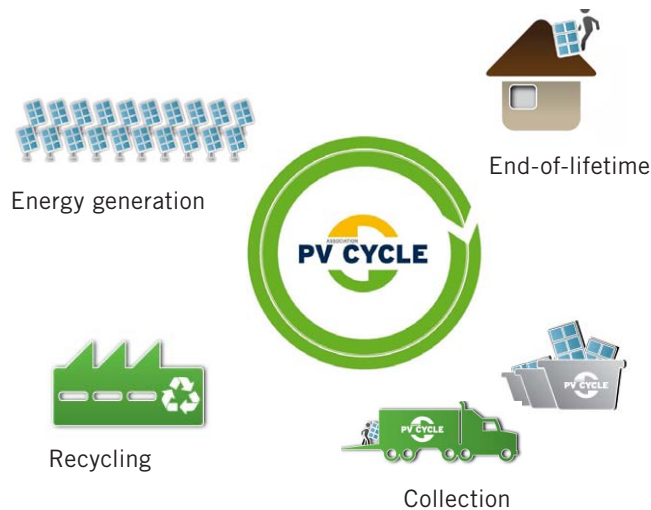
PV CYCLE is the only fully operational collective take-back and recycling scheme for end-of-life (EOL) photovoltaic modules in Europe today. With its pan-European network of hundreds of registered collection points, experienced waste transporters and specialized recycling facilities, PV CYCLE offers its members and their end customers an intelligent and cost-effective waste treatment solution.

Founded in 2007 as a non-for-profit association, PV CYCLE ensures the collection, transport and recycling of its members' EOL modules.

Entirely financed by the manufacturers and importers of photovoltaic modules in Europe, PV CYCLE offers collection infrastructures in all EU Member States as well as in the European Free Trade Association (EFTA) countries, which include Iceland, Norway, Switzerland and Liechtenstein.

The sustainable answer to the PV industry's waste management needs

By providing our members and their end customers with a well established collection and recycling service, PV CYCLE enables its members to assume their producer responsibility.



The success of our business model is based upon the experienced and specialized partners we are working with. Applying so-called **Best Available Techniques**, PV CYCLE offers an efficient and cost-effective waste management solution for all PV technologies available on the market.

Our take-back and collection service is designed to achieve collection rates of at least 85% of all EOL PV modules arising in Europe and recycling rates of 80% by 2015 and 85% by 2020.

WHY SHOULD YOU JOIN PV CYCLE?

Since 2012 PV modules are subject to the European WEEE Directive, requiring any producer or importer of PV modules to ensure for take-back and recycling of their end-of-life products. Supported by the European Union, PV CYCLE's system ensures the appropriate reporting, collection, transport and recycling of its members' PV module waste.

Operational across Europe, PV CYCLE offers a number of advantages:

- **Legal compliance:** PV CYCLE's take-back and recycling service is designed to comply with European and national waste law. Free of charge to module owners, our system guarantees the proper treatment of your end-of-life PV modules.
- **One-stop-shop:** The system developed by PV CYCLE is designed to meet national requirements within a pan-European context.
- **Economies of scale:** Collecting and recycling end-of-life modules in a coordinated and collective manner results in lower costs and maximum geographical outreach.
- **Preserving resources:** The significant reduction of incineration in favor of a larger percentage of modules being recycled will contribute to the recovery of precious raw materials, thus conserving our valuable natural resources. By increasing resource efficiency and decreasing waste, PV CYCLE contributes to the EU's environmental targets.
- **Ambitious goals:** PV CYCLE members have set the highest recycling targets when compared to all other recycling schemes in Europe.

HOW DOES PV CYCLE WORK?

PV CYCLE offers two services for the collection of end-of-life photovoltaic modules, regardless of the technology used:

- **Small quantities** (fewer than 40 units): The owner or installer can transport the modules to one of PV CYCLE's collection points located at the premises of e.g. photovoltaic module retailers, wholesalers, or electrical installation contractors. Designed to achieve high collection rates, PV CYCLE's collection points are located throughout Europe.
- **Large quantities** (more than 40 units): the modules are directly picked up on location. Special conditions may apply. Contact us for more information under operations@pvcycle.org.

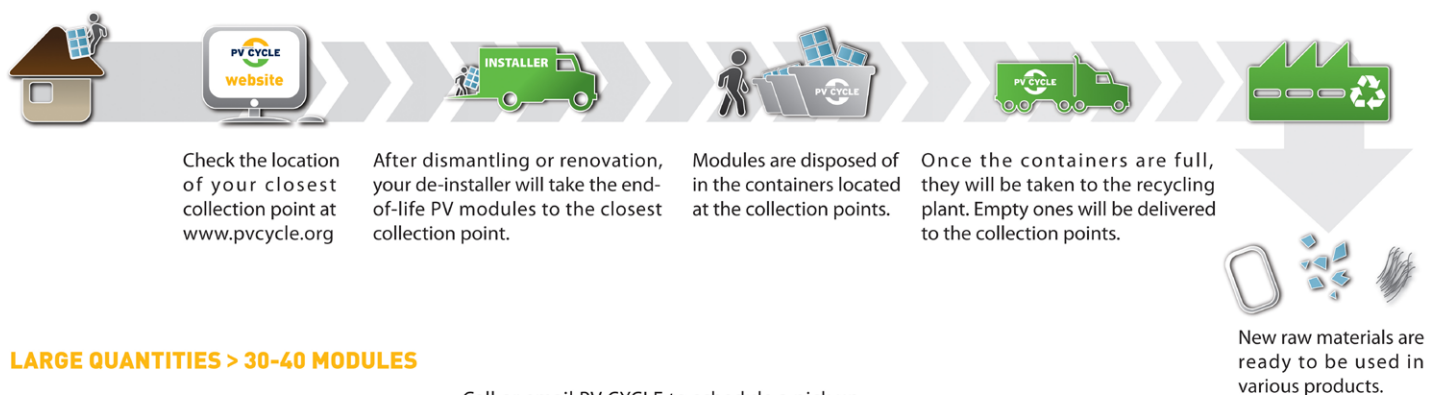
After collection, the modules are transported by PV CYCLE to partner recycling plants for further treatment. The recycled materials can then be used in various new products.

Our definition of end-of-life includes PV modules that are:

- Discarded by the end-user.
- Damaged during transportation or installation.
- Guarantee or warranty cases.

Free of charge, this system is open to anyone who would like to dispose of photovoltaic modules following a dismantling, demolition or renovation project. Those who can take advantage include electrical installation contractors, retailers, distributors, wholesalers, industrial end-users, producers, demolition companies, and, of course, households with photovoltaic modules.

SMALL QUANTITIES < 30-40 MODULES



LARGE QUANTITIES > 30-40 MODULES



JOIN PV CYCLE!

Become a member

With members from across the world, PV CYCLE today represents approximately 90% of the European solar market. PV module manufacturers, importers as well as installers, wholesalers and other organizations benefit from the advantages our pan-European take-back and recycling service offers.

If you are interested in becoming a member of PV CYCLE, please download the membership application form available on our website or simply contact us at: join@pvcycle.org



PV CYCLE operational in all EU27 and EFTA countries. Simulated network

Become a collection point

PV CYCLE aims to compose a network of collection points throughout Europe. These include the distribution points of new PV modules, as well as storage and transfer stations. Completely free of charge, all installers and distributors of PV modules are invited to participate in our system. The collection, transport and recycling costs are covered by the producers, importers and re-branders.

If you are interested in becoming a collection point for the PV CYCLE network, please visit our website and complete our online form.

Remember to check our website for an updated list of our members and collection points.

www.pvcycle.org



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