Our goals

- Reduce production costs to €0.3–€0.4/Wp for large-scale manufacture of PV panels that have a guaranteed service life of 30 years starting from 2020 and which can be widely used (e.g., PV integrated in buildings and infrastructure)
- Strengthen the Dutch solar energy sector, leading to the creation of 10,000 jobs
- Turnover of €1 billion in 2020

Our partners

- Manufacturers of solar cells and panels
- Suppliers of equipment and materials for producing solar cells and panels
- Developers of PV applications
- Knowledge institutes

We invite you to become a partner in this programme.

Would you like to know more?
ecn.nl/solarenergy
Tel.: 088 515 4761

Solar Energy Research Lines

Bifacial cells and modules
- Development of cells and modules for a higher energy yield
- Design and integration of new production steps

Back-contact cells and modules and hybrid tandems
- Development of cells and modules with a higher yield
- Development of hybrid tandem solar cells consisting of a top and bottom cell
- Design and optimisation of solar cell production

Perovskite solar cells and modules
- Development of perovskite solar cells with a high yield and a high stability
- Development of process technology to scale up perovskite modules

Enabling technology for thin-film PV
- Application of coatings and nanostructures for better light management
- Design and development of new interconnection technology

PV applications
- Development and testing of PV components (e.g., junction boxes, transformers) and services
- Development and testing of modules with higher shadow tolerance
- Design and development of translucent thin-film modules as construction elements
- Design and demonstration of free-form PV modules with retention of energy yield

SOLAR ENERGY
ecn.nl