

## PanelPV

### Sandwich panels with integrated PV with freedom of size and color

*Project duration: from 01.2018 to 06.2020*

*Report submitted: 09.2019*

#### Publishable Summary

The project PanelPV aims at the development of new façade elements with integrated PV. Starting components are sandwich panels made by Panelen Holland and CIGS based PV foil made by Flisom. In the project we will integrate these two into new power generating façade elements. We will develop a technology to make the PV foil translucent, such that the integrated product appears to have the same color as the underlying sandwich panel. This gives the producer of the sandwich panels full freedom in color or print selection.

The project will result in the fabrication of a demo façade in which several sandwich panels with different colors will be integrated and electrically interconnected.

#### Project consortium

Coordinator and all contact details:

Full name of organisation	Nederlandse Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek - TNO (former ECN, now part of TNO)
First and family name of coordinator:	Veronique Gevaerts
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Participating countries and financing:

Country	Number of organisations involved	Project costs in EUR	Public funding in EUR
The Netherlands	4	712'208	528'922
France	1	3'319'988	1'967'584
Switzerland	1	252'561.40	113'024.56
<i>Total</i>	6	<i>4'284'757.40</i>	<i>2'609'530.56</i>

## Funding agencies involved and contracts

Funding Agency	Contract N° and Title
Rijksdienst voor Ondernemend Nederland (RVO)	TESOL17003 "PanelPV"
Agence de l'Environnement et de la Maîtrise de l'Energie (ADEME)	Not funded under SOLAR-ERA.NET, but part of the French "Projet Solar Smart Mobility", 1782C0204
Commission for Technology and Innovation (CTI)	Contract no: SI/501698-01 SOLAR-ERA.NET Antrag ID11: Verbundpanelen mit integrierter PV und Wahlfreiheit bei Dimension und Farbe (PanelPV)