

The Dutch PV Portal has been created to provide publically accessible information on solar energy in the Netherlands, based on scientific research performed by the Photovoltaic Materials and Devices (PVMD) group at Delft University of Technology.

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Electricity from sunlight (photovoltaics, PV) will play a major role in the energy transition and is poised to grow worldwide to the "terawatt" scale. In the Netherlands, the installed capacity is set to grow from 18 GW p today to 100-250 GW p in 2050. Hence, PV is a crucial "industry of the future".

This collaborative effort is set to fast-track the Netherlands towards achieving its climate goals by 2050, aiming for climate neutrality with a production volume target of over 7 GWp/year of innovative solar cells and panels.

In the Netherlands, 1,000 km² of solar technology must be installed by the year 2050, and that is not possible with conventional rigid glass panels. TNO is conducting research in the reliability, efficiency, costs and producing mass-customized solar products on a large scale.

SolarLab is the national network of the Dutch research groups at universities and institutes that work on Solar Photovoltaics. The mission of SolarLab is: Demonstrate record-efficiency stable, sustainable solar cells ; Form a powerful ecosystem with a ...

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TNO's view of 2030: using every surface for solar power generation If we want to generate green energy on a large scale, we'll have to be smart in using the scarce space available in the Netherlands. Within 10 years, we'll make it possible to use any surface to generate sustainable energy.

Solar potential. Solar power in the Netherlands has an installed capacity of around 23,904 megawatt (MW) of

photovoltaics as of the end of 2023. Around 4,304 MW of new capacity was installed during 2023. [1] Market research firm GlobalData projects Dutch solar PV capacity could rise to 55,000 MW (55 GW) by 2035. [2]

The energy transition must accelerate and become more efficient if the Netherlands wants to achieve its climate goals in 2050 and be climate neutral. The new Dutch program SolarNL, which started today, contributes to this and aims to build a strong industry for solar cells and solar panels.

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