Solar energy research and development amsterdam

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Solar energy researchers, students, startups and companies at Amsterdam ...

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. Supported by a subsidy from the National Growth Fund, InvestNL, and private investors, production facilities will be built at several locations in the Netherlands to achieve a production volume of innovative solar cells and solar panels of over 7 GWp/year. SolarNL builds on the excellent position of the Netherlands in research and development of solar technology.

SolarNL focuses on three innovative solar technologies, each of which will be competitive in different markets:

SolarNL is carried out by a consortium of nine Dutch solar technology companies. In addition, TNO carries out a fundamental development program, and seven academic partners, led by NWO-Institute AMOLF, carry out a research program for future innovations. Four universities of applied sciences develop a human capital program to fill the 2,000 new jobs created with SolarNL. During the kick-off meeting today in the HyET Solar factory halls in Arnhem, the SolarNL collaboration was firmly consolidated and SolarNL partners presented the first results. Representatives of the Ministry of Economic Affairs and Climate Policy, the EU, and regional development organizations presented policy visions with which they support the national and European solar industry.

Photo: SolarNL partners and guests in the solar foil factory of HyET Solar in Arnhem.

Industry: Compoform, Energyra, Exasun, HyET Solar, IM Efficiency, Lightyear Layer, MCPV, Solarge, Taylor?Research: TNO, NWO-Institute AMOLF, Universities of Amsterdam, Delft, Eindhoven, Groningen, Twente, Utrecht?Human capital: Universities of Applied Sciences of Amsterdam, Hanze, Saxion, Zuyd

Financers: National Growth Fund that awarded a maximum subsidy of 312 million euro, InvestNL, and private finances.

Program officer SolarLab and SolarNL

NWO-Institute AMOLF is a national research laboratory funded by the Dutch Science Foundation NWO. The Light Management in New Photovoltaic Materials (LMPV) program at AMOLF is a PV research center in Amsterdam, the Netherlands. The LMPV program is carried out by five group leaders: Prof. Dr. Erik Garnett,

Prof. Dr. Bruno Ehrler, Prof. Dr. Esther Alarc?n Llad?, Dr. Wiebke Albrecht, and Prof. Dr. Albert Polman (program director). For more information see LMPV

The Zernike Institute for Advanced Materials at the university of Groningen focus on the investigation of functional materials for a large spectrum of applications. An important research topic of the Institute focus on Energy and covers investigation of new materials and phenomena for solar cells. The Zernike Energy program is carried out by: Prof. Dr. Maria A. Loi, Prof. Dr. Jan Anton Koster, Prof. Giuseppe Portaale, Dr. Loredana Portesescu, Dr. Graeme Blake, Dr, Remco Havenith and Prof. Pchenitchnikov. Professor M.A. Loi is the cooridinator of the Zernike Energy Program.

MM is the research Institute for Molecules and Materials at the Radboud University Nijmegen. The PV research of the institute focuses on the development of high-efficiency thin-film solar cells. The PV program is carried out by two group leaders. Prof. dr. Elias Vlieg. and dr. John Schermer. For more information, see https://

The Institute of Physics (Institute of Physics - IoP - University of Amsterdam (uva)) at the University of Amsterdam hosts research on PV materials such as perovskites, devices, and light management in PV materials. The research program is carried out by Prof. Dr. Peter Schall (Research Group Peter Schall - Institute of Physics, University of Amsterdam), and Dr. Jorik van de Groep (Van de Groep Lab - 2D Nanophotonics @ UvA).