

Wednesday, 2<sup>nd</sup> August 2017

## Printed Organic Photovoltaics: S+L Selbstklebprodukte and OPVIUS sign co-operation agreement for the development of OPV-stickers

*S+L Selbstklebprodukte GmbH und OPVIUS GmbH pull together to launch self-adhesive OPVs for retrofitting and easy integration.*

**Kitzingen & Gotha, Germany** – By developing self-adhesive OPV-films, OPVIUS together with S+L Selbstklebprodukte GmbH are broadening the horizons for OPV products and OPV integration. Imbedding OPVIUS modules in transparent carrier materials, for example glass or foil membranes, has been possible for some time. Their integration into laminated polycarbonate sheets was recently presented as part of an installation at the Climate-Pavilion at the State Horticultural Show in Thüringen.

The integration techniques developed up until now are mainly aimed at integration, that is to say embedding the module in the carrier material by way of a lamination procedure. This is generally limited to transparent materials and predominantly serves the market for original equipment manufacturers. OPVs can be integrated directly into construction materials whilst they are manufactured, and are therefore installed together with these materials. By developing self-adhesive OPVIUS products, an additional solution can now be provided that will be of interest when retrofitting existing surfaces, as well as for use on non-transparent carrier materials.

S+L Selbstklebprodukte GmbH's many years of experience working with stickers for public transport as well as the manufacturing of classic car decals is of central interest to OPVIUS GmbH. Their expertise in various applications, processing procedures, and working with new technologies in the field of foils, all build the foundations of a joint collaboration. Combined with OPVIUS' production technology and the resulting freedom in terms of colour and form, this expertise will enable users to obtain customised products that are easy to install. This will significantly expand the range of applications of printed organic photovoltaics.

"By developing self-adhesive OPV foils, we can bring our products further into the market, and make them available to an additional user-group. OPVIUS stickers provide many new solutions, particularly for already existing surfaces" says Hermann Issa, Senior Director, Business Development and Sales, OPVIUS. "The need for high quality in order to ensure a good and lasting adhesive bond is frequently underestimated. In this regard, in terms of cooperation, S+L Selbstklebprodukte GmbH was our first choice for implementation. It has paid off."

Christian Lins, Business Director of S+L Selbstklebprodukte GmbH added: "A good adhesion needs to work both visually and flawlessly in terms of function, and needs to last in both indoor and outdoor settings. In addition, we had to look at the properties of the OPVs, and adjust our stickers to the OPVIUS products. Here, our great wealth of experience of adhesion to a large range of substrates, for example trains and buses, paid off, as they also need to be long-lasting and visually perfect under conditions of constant exposure."

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**Illustration:** Thanks to self-adhesive OPV elements different areas, for example trains and buses, can be permanently equipped with organic photovoltaics.

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## About S+L Selbstklebprodukte GmbH

S+L Selbstklebprodukte GmbH was founded in Gotha in 1990. The centrepiece of our work is self-adhesive foils: their fields of application, their processing procedures, and new technologies. Through our constant handling of this material – above and beyond the usual scope of application – we grew from a regional sign-making company to a company operating throughout Europe.

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## About OPVIUS

OPVIUS GmbH, a German company with offices in Nuremberg and Kitzingen, is the market leader in the area of organic photovoltaics. OPVIUS produces bespoke organic solar cells and systems, tailored to customers' specific requirements. Furthermore, OPVIUS is active in the area of research and development, in order to continuously provide their customers with creative and innovative solutions. Additionally, OPVIUS employs a unique manufacturing process, based on a combination of printing, lamination and laser structuring processes. These give a distinct advantage due to their high scalability and, moreover, allow the implementation of custom designs. OPVIUS supports its customers with the integration of OPV in existing as well as new products and delivers the accompanying system solutions.

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