

TVP Innovative Technology Awarded “Solar Impulse Efficient Solution” Label

For Immediate Release

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- **Int’l Recognition:** proof of high standards in profitability & sustainability
- **Joining #1000solutions:** selected by Solar Impulse Foundation based on verified standards
- **Decarbonizing Industrial Heat:** solar thermal proven to beat traditional fuel prices

Geneva, Switzerland – TVP’s innovative technology ‘Solar Thermal High Vacuum Flat Panels for Large-Scale Industrial Process Heat & District Heating’ has been awarded the “Solar Impulse Efficient Solution” Label, a proof of high standards in profitability and sustainability.



The label was attributed the “Solar Impulse Efficient Solution” Label following an assessment performed by external independent experts and based on verified standards. It is thereby joining the #1000solutions challenge, an initiative by the Solar Impulse Foundation to select solutions that meet high standards in profitability and sustainability and present them to decision-makers to fast-track their implementation.

INDUSTRIAL DECARBONIZATION WITH SOLAR HEAT

TVP’s ‘MT-Power’ Solar Thermal Flat Collectors are a new category of solar collectors, the High Vacuum Flat Plates (HVFPs). MT-Power is a high-end product that typically generates hot water/

steam at 80°C – 180°C temperatures to drive industrial processes and district heating networks. Reaching solar thermal efficiency of 65% and 45% respectively, MT-Power is the best-performing solar thermal collectors in the world in this temperature range. MT-Power is SolarKeyMark certified up to 200°C and integrates multi-patented high-vacuum technology to produce heat throughout the year in most climatic conditions and geographies. Thanks to this high-vacuum technology, MT-Power panels exhibit minimal thermal losses, no performance degradation over time, and thus exceptional efficiency. Needing no surface cleaning and only minimal maintenance, TVP's nearly 100% recyclable solar collectors can operate for 25 years to deliver emission-free thermal energy. TVP's reference manufacturing plant, based in Italy, has a capacity of 100.000 m² of panels per year.

Solar systems driven by TVP's HVFP technology have been proven over the last 8 years in pilot/ demonstration sites in the Middle East, Europe & China, and are now in full deployment as commercial plants in Switzerland, Italy, France, Saudi Arabia, Kuwait. With many other upcoming flagship installations, for industrial process heat and district heating applications, the solar thermal energy produced by MT-Power is at parity with natural gas and cheaper than liquid fossil fuels.

To receive the “Solar Impulse Efficient Solution” Label, '**Solar Thermal High Vacuum Flat Panels**' was thoroughly assessed by a pool of independent experts according to 5 criteria covering the three main topics of Feasibility, Environmental and Profitability. All labelled solutions are part of the **#1000solutions** portfolio that will be presented to decision-makers in business and government by Bertrand Piccard, Chairman of the Solar Impulse Foundation. The aim of this initiative is to encourage the adoption of more ambitious environmental targets and fast-track the implementation of these solutions on a large scale.

Email info@tvpsolar.com for more information and see how our certified efficient solution can help you today.

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About TVP Solar:

TVP Solar SA is a Swiss company which designs, develops, manufactures and markets innovative high-vacuum mirrorless solar thermal collectors based on patented technology. A game-changer for the thermal industry, solar is now a new paradigm in energy supply, beating liquid fuels with a cheaper, carbon-free alternative. In volume production since 2017 TVP high-vacuum products have been installed across 9 countries and 3 continents, cutting OPEX, boosting sustainability, and securing energy supply worldwide.

For more information please visit: www.tvpsolar.com

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About the “Solar Impulse Efficient Solution” Label

One of the first labels for positive impact businesses bringing together protection of the environment and financial viability, the “Solar Impulse Efficient Solution” Label is attributed following an assessment performed by external independent experts. In collaboration with

renowned institutions, solutions applying for the label must go through a neutral methodology based on verified standards. This label serves as an award for clean and profitable solutions.

About the Solar Impulse Foundation

The Solar Impulse Foundation is dedicated to accelerating the implementation of clean and profitable solutions. Moreover, the Foundation is helping decision-makers in businesses and governments to achieve their environmental targets and adopt more ambitious energy policies, which are necessary to pull these solutions to market. A way to carry the success of the first solar-powered flight around the world further.

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#1000solutions