

Customer Value Proposition



High transparency degree (AVT \geq 70% and CRI \geq 70) contributes not only to improve the feeling of comfort of the users, but also it provides relevant economic benefits. The natural daylight entrance inside the building and the higher daylight transmission values mean lower artificial lighting expenses during the day.



In-situ Energy Production (PCE \geq 12%) will boost the transformation of current consumers into prosumers. This product will allow reducing the energy bills which price is increasing substantially over the last years. Energy management models such as self-consumption or net-metering will be reinforced in the smart grid market.



Energy savings from thermal behaviour will allow reducing current window heat losses (10%) due to the high heat management capacities (reducing solar heat gain to balance building temperatures). These products will contribute to decrease the consumption of HVAC systems as well as operating costs in buildings.



Cost-effective solution (200€/m²) after a comparison between the Tech4Win window with other alternatives in the market. The standard sales price will be cheaper comparing with other alternatives. This product will improve not only the passive functionalities of a smart window, but will also reduce the dependence of external grid sources.



Environmental friendly will be ensured thanks to the implementation of Circular Economy Strategies during the whole lifecycle. It is expected that the product will get energy-efficient labels, product footprint certification and can be introduced as a green building material in those projects certified by sustainable architecture standards.



Sustainable brand's reputation: A company that invests in BIPV is investing in sustainability, and this strategic choice results in larger number of clients, more sales and more economic benefits. Regarding the hotel sector, 90% of users choose a sustainable hotel and 34% prefer to pay higher in relation to non-sustainable hotel.

Tech4Win window concept:
Tandem inspired structure



Clear Glass
UV Multifunctional Coating
Clear Glass
IR Bottom Cell & DBR
Clear Glass



Learn more about our Project:

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Tech4Win:

Disruptive sustainable technologies for next generation PV windows

