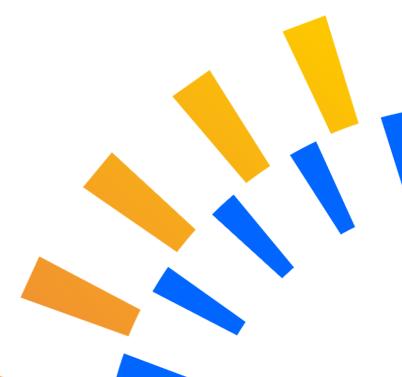
Industrialization of a Novel Lightweight PV Technology Towards IPV Market















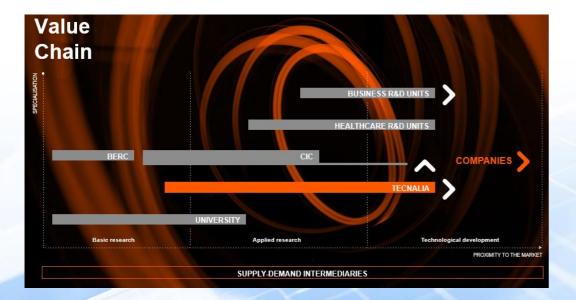
Werther Cambarau

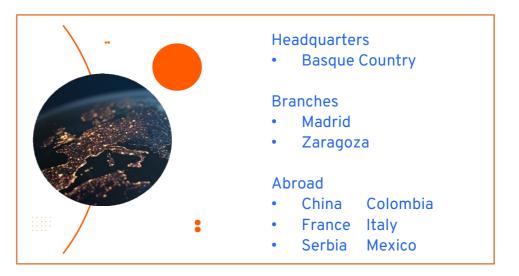


About TECNALIA

TECNALIA

Largest **applied research and technological development center** in Spain, a European benchmark and member of the Basque Research and Technology Alliance (BRTA).









Solarface Technology

Solarface® DESIGN **FLEXIBILITY** PV encapsulation technology developed by TECNALIA that LIGHT solarface **INTEGRABILITY** brings together the advantages **WEIGHT** of composite materials and PV energy production. COST **EFFICIENCY COMPETITIVENESS** Seamless-PV Solar Cells Composite contributes to the industrialization of Solaface®



Solarface Technology from Lab to Fab



MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE

BRANIKA

SOLUCIONES INDUSTRIALES EN COMPOSITESTECNOLOGIA AUTONOMA MARINA

Socios fundadores de Kiro SL

SOLUCIONES INDUSTRIALES



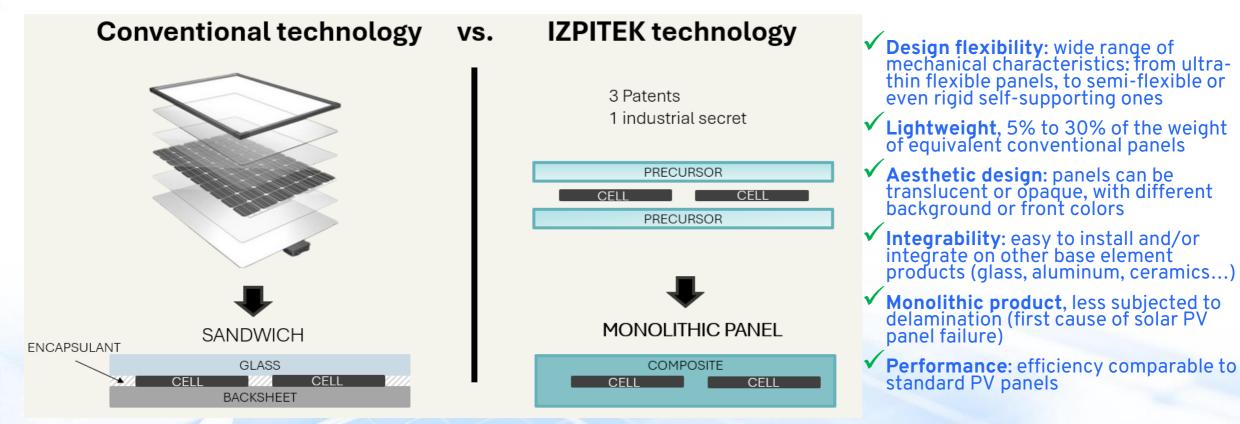
ØIZPITEK

IZPITEK SOLAR S.L.

Start-up manufacturer of PV solutions supported on Solarface® technology



Solarface vs Conventional Technology







JJ

117

Architecture – BIPV



- Urban Furniture
- Sustainable Mobility VIPV

Architecture – BIPV





Sustainable Mobility - VIP\





Challenges and Opportunities

- Growing exigences on efficiency and ESG issues
- Safety requirements
- Architectural considerations
- Public acceptance

Solarface added value

- Integration \rightarrow Not perceived as add-on. Intrinsic part of the architectural proposal
- <u>Adaptability</u> → Geometry, flex-semi-rigid, substrates, colors, surface features
- <u>Light Weight</u> → Easy installation, low structural requirements



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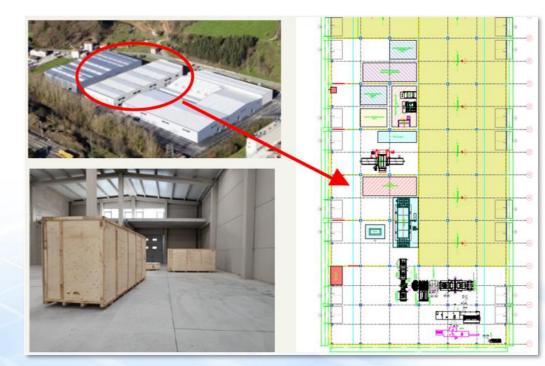
IZPITEK Location and Production capacity

Industrial plant located in Güeñes, Biscay (Spain)

• Total area 2,500 sqm

Production capacity (24/7)

- Starting in January 2025
- 160.000 sqm/year of PV panel
- 25MWp/year approx







werther.cambarau@tecnalia.com

www.tecnalia.com

www.izpiteksolar.com (page under development)

This is an initiative of

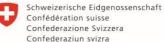




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