



Contact details

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Organisational profile

- UK Solar Knowledge Hub and Outdoor Test Site
- Technical Consultancy
- Publications - Best Practice Guides and Training Support
- Open Collaboration with local authorities, universities, industry associations, companies and government
- Based at Eden Project, Cornwall
- Supported by EU and UK Industry

Challenge area for the Solar ERA-Net 2nd call:

PV2.2 Dedicated modules for BIPV design and manufacturing

BRE National Solar Centre
Helping the solar industry to
grow, mature and thrive

EUROPEAN UNION
Investing in Your Future
European Regional
Development Fund 2007-13



Technology Strategy Board
Driving Innovation

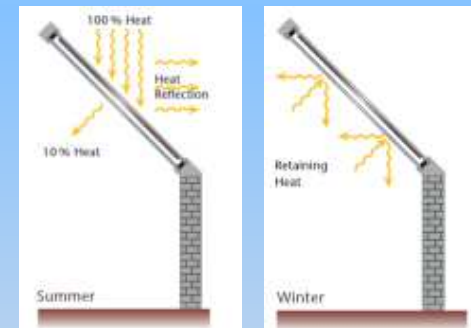


Project idea

Thermal effects of PV cells in glass laminates

- Thermal and light transmission effects of standard glass are well-known
- When solar cells are inserted to make glass/glass BIPV modules, the absorption re-radiation effects are not so well documented

- This effect is important as it affects the thermal performance of the whole building.



- We would like to produce a robust model of the thermal effects of glass laminate BIPV on buildings.
- We can provide outdoor testing of physical samples in order to prove the model's accuracy and utility.
- We have some modelling capability, but would welcome collaboration with specialists in this area.