

Announcement

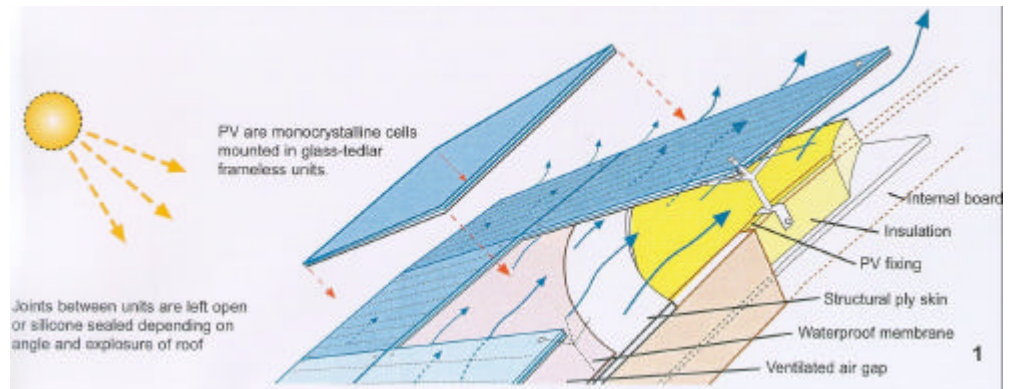
Results of the Design Competition Photovoltaic Products for the Built Environment

Overall Winner

PV panels as a ventilated rainscreen system over a light weight stressed-skin timber construction

Robert Webb, Robert Webb Associates, UK

The judges admired the overall concept for the building and its consideration for environmental and passive solar issues in addition to electrical generation. The design had a holistic approach and spanned a number of categories.



Best student entry

PhotoFIT

Andrew Weight, Reading University, UK

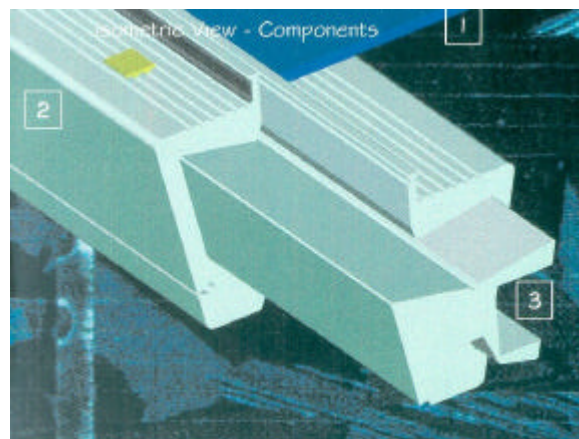
A well presented and well thought through entry, the design gives good consideration to the integration of cabling and avoidance of self-overshadowing.

Roofing systems

Student winner

PhotoFIT

Andrew Weight, Reading University, UK



Short-listed

Roof Shingle SUNPLICITY™

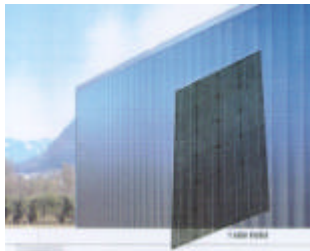
Markus Real, Alpha Real AG, Switzerland

Waverley Station roof

Gordon Duffy, Centre for Ecological Technology and Architecture, UK

Façades

Shared winner



Transformer Station Schaan FL

Marcel Ferrier, Architect, Switzerland

Marcus Faber, Evergreen Solar Inc.

A fully developed system for a PV façade on a circular building which addressed the issue of the sun's movement in an innovative manner.

Shared winner

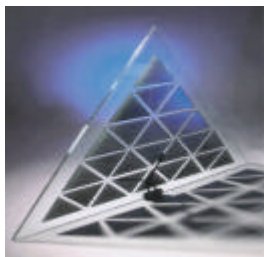


Water Screen PV panel

Shunichiro Tomatsuri, Kumiko Kondo, Takuya Ohashi, Hosei University, Japan

Conceptually a very attractive proposal, given careful design it could be realised. The judges appreciated the combination of PV and water cooling systems that keep the building and PV installation cool.

Commended



Glass-glass triangular BIPV modules

Rogelio Leal Cueva & Tomas Markvart, University of Southampton, UK

An attractive design, well thought through and well presented.

Short-listed

2 in 1 Energy Efficient façade / STA Titania Solar wall panels

Dr Igor Skryabin, Sustainable Technologies Australia Ltd, Australia

Second skin façade

Peter de Boer, TU-Delft, the Netherlands

Solar powered heat recovery ventilation unit

Jochen Kauschmann & Jim Grace, Atelier Ten Ltd, UK

Solar cells integrated into movable horizontal glass lamellas in part of façade

Gert Johannesen, Arkitektfirmaet Staermose & Isager K/S, Denmark
Morten Verner Thomsen, VITRAL, Denmark

Low-cost concentrator for PV façade

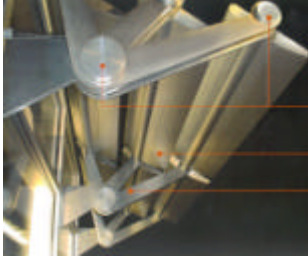
Dr Philip Eames, Brian Norton, Tim Bruton and Richard Russell, University of Ulster, UK

Cladding panel containing thermally isolated vacuum

Steve Dench, UK

Other building Products

Winner



Commended



Short-listed

PV SUNSHADE

David Hewitt & Richard Braunstein, Kawneer Co, USA

A practical and sturdy design for a PV Sunshade system which both optimizes solar gain and avoids self shading. Very well presented.

Shadophotovoltaic system

Matteo Margaroli, Architect, UK

A refinement in louvre systems and a very elegant design but concerns regarding the systems robustness especially under wind loading.

Transparent solar roof window

Franz Baumgartner, FH-Buchs, Switzerland

Pneumatic goes solar

Arnold Kahr & Alexander Weiss, Institut fuer Hochbau und Entwerfen - TU, Vienna, Austria

PV blinds

Miss Weng-Mui Lee & James Plastow, CREST Loughborough University, UK

NanoPV

Ben Smith, Solstis, UK

Non-building products

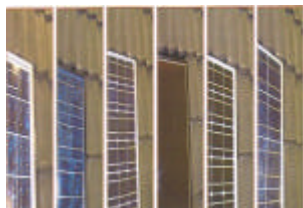
Short-listed

Solar streetlight using fresnel lenses and high efficiency LED light source

Robert Webb, Robert Webb Associates, UK

Recently released products

Winner

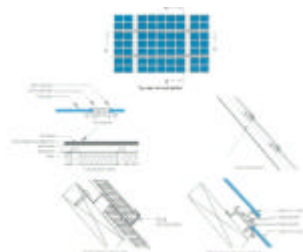


Intersole

Peter Scheigrond, Anton Schaap, Klauss Hoekstra, Econergy, the Netherlands

A practical system likely to be good value for money.

Commended



Sloped Roof Integration Frame System

Andreas Haller, Ernst Schweizer AG, Switzerland

A cost effective well integrated sloped roof system.

Short-listed

Tailor-made Solar Roofs and Façades with Solarcells

Juergen Hartwig, Ersol Solarstrom GmbH & co KG, Germany

Terra Piatta® - Solar

Michael Dolle, Dachziegelwerke Pfleiderer GmbH & co KG, Germany

The Unisole Prefab PV Roof

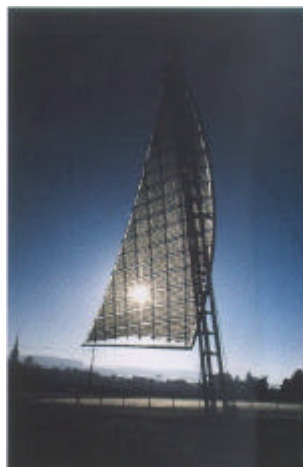
Ton Van Der Wekken, Ecofys, The Netherlands

Solmax - Mounting For PV Modules

Jacques Bonvin & Antoine Muller, Solstis, Switzerland

Exhibition Prize

Winner



Solarsail

Peter Schürch, Jörn Jürgens, Hubert Bittner, Taroni Gianpietro, Stephan Kormann and Pizzoferrato Adelmo, Halle 58 Architekten, Switzerland

A superb presentation and technically sound, but there were concerns on the long-term wind fatigue effects.