



Zicer Building Norwich (GB)

Building Details

CONTACTS

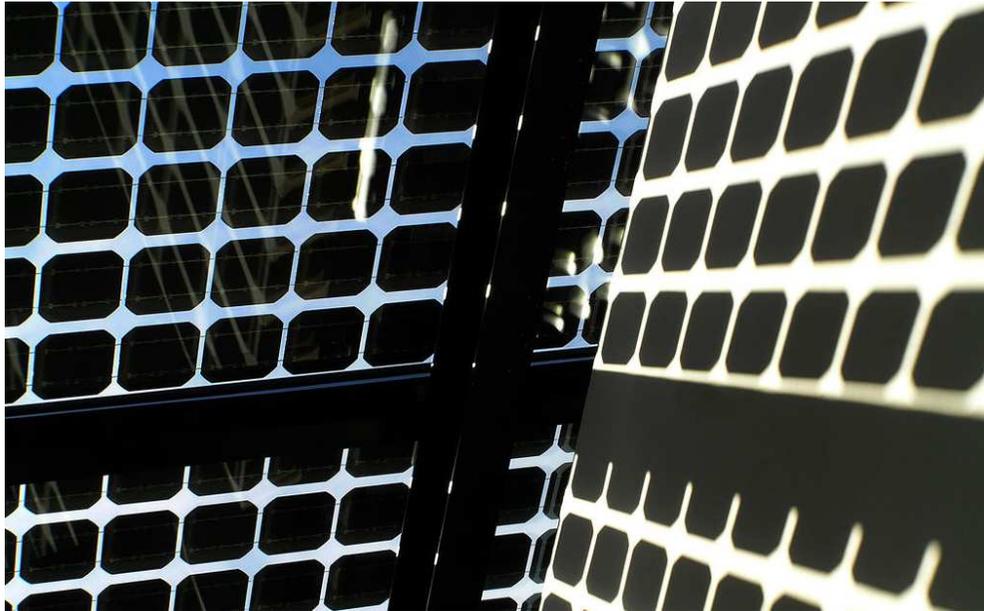
| | Name | Website (or e-mail) |
|--------------------------|---------------------------|--|
| Owner | University of East Anglia | www.uea.ac.uk |
| Architect | RMJM | www.rmjm.com |
| Energy Consultant | Element Energy | www.element-energy.co.uk |
| PV Installer | N/A | - |

BUILDING

| | | | | |
|------------------------|---|--|--------------------------------------|--------------------------------|
| Completion year | 2003 Building | 2003 PV Plant | | |
| Category | <input checked="" type="checkbox"/> New | <input type="checkbox"/> Renovation | <input type="checkbox"/> Enlargement | <input type="checkbox"/> Other |
| Typology | <input type="checkbox"/> Residential | <input checked="" type="checkbox"/> Administration | <input type="checkbox"/> Industrial | <input type="checkbox"/> Sport |
| | <input type="checkbox"/> Agricultural | <input type="checkbox"/> Urban | <input type="checkbox"/> Historical | <input type="checkbox"/> Other |

Description

The Zuckerman Institute for Connective Environmental Research (ZICER) is part of the University of East Anglia's internationally acclaimed School of Environmental Sciences. Solar glass/glass laminates on the upper part of the building form a vertical facade and roof and will provide the occupant's electrical energy needs whilst providing the essential 'solar shading'. The glazed upper floor generates 33 kilowatt of electricity in peak conditions. The building is designed to surpass the many innovative low-energy buildings on campus with a target energy use not to exceed 100kWh/m² per annum.



BiPV Details

LOCATION OF PLANT

| | | | | |
|--------------------|-----------|---------|---------------|--------|
| Roof | Flat roof | Sloped | Curved | |
| Façade | Cladding | Balcony | Greenhouse | Curved |
| Glass | Façade | Roof | Solar shading | Canopy |
| Orientation | South | West | East | North |

ARCHITECTURAL EVALUATION

| | |
|------------------------|---|
| Color | dark blue (roof) and crystal blue (façade) |
| Transparency | 15% |
| Frame | Stick-system (Schüco) curtain walling |
| Acknowledgments | RICS award regional high commendation sustainability 2005 |

SPECIFICATION

| | | | |
|--------------------------|----------------------|---|-----------|
| Photovoltaic | Monocrystalline | Multicrystalline | Thin Film |
| PV Module | Cells | BP Solar high eff. Saturn technology (roof), BP Solar high efficiency SiN mc-Si (façade) | |
| | Module | BP Solar PowerGlas Laminates (194 W and 80 W) | |
| Power | kWp | 27.16 and 6.72 | |
| Size | m² | 265 and 85 | |
| Energy production | kWh/year | 22 650 | |