


TV21 Red Kite House solar PV & thermal	Installation details
	<p>Owner: Environment Agency Site address: Red Kite House Howbery Park Wallingford Oxfordshire OX10 8BD</p> <p>Grid reference: SU615895 Local authority: Oxfordshire CC / South Oxfordshire DC</p> <p>Renewable energy category: Solar PV + Other thermal (solar)</p> <p>Status: Operational Date: June 2005</p>
Technical information	Socio-economic & environmental data
<p>Technology type: Monocrystalline building-integrated PV canopy + solar water heating system</p> <p>Manufacturer / Installer: BP Solar / Solar Century Schott / Rayotec solarcentury.com rayotec.com</p> <p>Energy input: -</p> <p>Consumption rate: -</p> <p>Installed capacity: Electric: 25 kW_e Heat: 2.8 kW_{th}</p> <p>Annual energy output: Electric: 23 MWh/year Heat: 3.1 MWh/year</p> <p>Supplying energy to: Electric: Offices; surplus to local grid Heat: Hot water for offices</p>	<p>Main drivers: Lead best practice in sustainable office development</p> <p>Social benefits: Education for businesses & public</p> <p>Jobs created/sustained: Directly: - Indirectly: -</p> <p>New business startups: -</p> <p>Financial benefits: 1,000 /yr</p> <p>Capital cost (inc grant funding + body): £295,000 (grant: DTI £165,000) + £23,000 (£9,000 Clear Skies)</p> <p>Likely fossil fuel alternative: Electricity from grid + natural gas</p> <p>Greenhouse gas emissions displaced: 9.9 + 0.8 tonnes CO₂/year</p> <p>Equivalent no. of homes supplied: Electricity: 4.8 Heat: 0.2</p>