



## Cost Performance

On average around the world, sunlight delivers a barrel of oil of energy on every square meter of land every year. At \$100 a barrel, a 100m<sup>2</sup> roof is receiving \$10,000/yr of energy - a quarter of a million dollars over 25 years. With photovoltaic systems we can convert up to 20% of this raw energy directly into electricity. Unlike traditional power sources whose economics depends on the ever changing price of fuel, solar energy systems come with a 25 year guaranteed free fuel supply direct from the Sun. While electricity prices are increasing all around the world, once you have invested in a solar system you will have little or no additional costs to pay.

Our building integrated (BIPV) modules are unique building materials that generate revenue. When compared to other high quality glazing and cladding materials, a BIPV system is extremely reasonable. Many other glazing options can be comparable in cost, while materials such as granite and marble are more expensive (and produce no income stream!).

The exact costs of a solar energy system will vary from system to system, but the factors to consider are:

EXTRA COSTS	EXTRA SAVINGS/REVENUES	OTHER BENEFITS
<ul style="list-style-type: none"> <li>• Modules</li> <li>• Inverter</li> <li>• Mounting</li> <li>• Cabling</li> <li>• Installation</li> </ul>	<ul style="list-style-type: none"> <li>• Income from electricity generation (this is often increased by subsidy programs)</li> <li>• Initial cost subsidies/tax breaks</li> <li>• Safeguard against electricity price increases</li> <li>• Higher resell value of building</li> <li>• Reduced occupant energy use (typically 10%)</li> <li>• For BIPV: eliminates need for traditional building materials and their installation</li> <li>• For Suntech See Thru systems, reduction in air-conditioning load and reduced damage to interior by UV</li> <li>• Possible sale of Carbon Credits</li> </ul>	<ul style="list-style-type: none"> <li>• Reduced environmental impact</li> <li>• Reduces reliance on imports of fossil fuels</li> <li>• Attractive appearance</li> <li>• Sales point for potential tenants/buyers</li> <li>• Display unit to show performance and CO<sub>2</sub> savings from system</li> <li>• Protection from power cuts (if batteries are installed)</li> <li>• Prolongs life of roof</li> <li>• Educational value for children (and adults too!)</li> </ul>