



Shiplake College Bristol

College Campus Swots up on Going Green


Shiplake College was a solar PV project delivered for the Henley independent day and boarding school as part of a re-roofing scheme undertaken during the summer holiday period. Your Eco Construction were contracted to design a system that would meet with the end users requirements that could be seamlessly included within the programme of works to remove and reinstate the sports hall roof.

Several options were presented with a 41.6 kW array ultimately being decided upon to be installed across both east and west aspects of the hall. Though this produces a slightly lower yield than that of due south the low pitch of the roof ensures generation can take place throughout the day thereby providing more useable and consistent electricity production. The system itself consisted of 265 Wp Trina black modules and 2 x Huawei inverters along with a trapezoidal roof mounting system.

The new clean energy 'power plant' will go to future proofing electricity costs and providing a renewable power source to the sports hall and surrounding offices and classrooms fed by that meter and supply. Through establishing the array on the Tigo portal its facilitates ease of operation and monitoring by seeing the performance real time of each module individually. It also allows the end user to take comfort that the system is working in line with expectations so that they can keep track of generation and provide detailed outputs on their carbon savings.

System overview

265 Wp Trina mono black modules with 2 Huawei inverters with a trapezoidal roof mounting system during a re-roofing project to maximise returns.

	System size:	41.6 kWp
	Generation:	39,817 kWh/year
	CO ₂ savings:	19,400 kg/year