



ON-CAMPUS SOLAR FARM PROVIDES CLEAN ENERGY

A 1MW Subsidy-Free Solar Farm at Cranfield Airfield Powering University

Cranfield University, Bedfordshire: 35 Fronius Eco and Symo inverters have been installed in this 1MWp solar farm supplying the postgraduate and research-based university with all its generated electricity. The zero-export solar project, which also integrates with the existing CHP (combined heat and power) unit on site, will provide a big part of the energy requirements of the University and contributes towards the long-term sustainable and clean energy goals of this education establishment.

Additional to providing both financial and carbon savings, the 1MW site provides a key renewable energy research facility for its students. Providing opportunities to use industrial-scale facilities for education and training support is something for which Cranfield already has an impressive reputation.

Damian Baker, Managing Director at RenEnergy remarked, “We decided to use Fronius for the Cranfield project for three basic reasons: Number one is the performance and quality. Secondly, the diversified business behind the product minimises any ongoing operational risk and lastly as a Fronius Service Partner, the partnership we have with Fronius means we can provide the best possible back-up for both the monitoring and operational side of the project.”

OUR SOLUTION:

- / PV system integrated with existing CHP on site
- / The Fronius Solar.web portal offers a wealth of relevant data presented clearly and graphically.



Gareth Ellis, Energy & Environment Manager at Cranfield, said: “The University is committed to renewable energy and the installation of the PV system will improve our carbon footprint. We have made significant reductions in carbon emissions in recent years and are well on our way to achieving our target of a 50% reduction by 2020 against our 2005 figures.”



SYSTEM DATA	CRANFIELD UNIVERSITY, UK
Size of installation	1 MWp
System type	Field installation
Inverters	35 Fronius Symo and Eco
Components and Tools	Fronius Solar.web
Annual yield	1,028,864 kWh
CO ₂ savings / year	309 tonnes/year
Special feature	Zero feed-in

