



BRITISH AIRWAYS



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British Airways Carbon Fund  
Case Study

# Melosheb School Zambia



## Project Overview

In Summer 2018, Melosheb School in Zambia received a grant to install a 1.7kWp roof mounted solar PV array and four lithium ion batteries. The school is located in the outskirts of the capital Lusaka. Previously the school had no electricity supply, which was restrictive in many ways. The system has led to greatly improved working and learning environment at the school and boosted staff morale and efficiency.

### Technology

1.7kWp solar PV & battery storage system

### Grant Value

£10,420

### kWh produced

2,840 per annum



## Project Details

During August 2018, Melosheb School in Lusaka, Zambia installed a 1.7kWp roof mounted solar PV system on a newly built computer lab. An accompanying lithium ion battery storage system was also installed. It is estimated that the panels will generate around 2.8MWh every year.

Around 65% of all schools in sub-Sahara Africa do not have access to electricity. Previously, pupils were unable to work after dark and there was no IT provision at the school. This project has been transformative: it has allowed the school to develop an IT suite which will have a huge impact on the education provided. Pupils are now able to work at the school after dark and teachers have longer to plan their lessons.

There has been much excitement and enthusiasm about the project within the local community. Pupil enrolment has increased by 40% compared to last year. It has boosted staff and pupil morale and contributed to a feeling of pride in the school.

### Project Type

British Airways Carbon Fund Grant

### Grant Value

£10,420

### Social Impact:

Transformative impact on the school as it has provided electricity for the first time which has allowed for the introduction of IT at the school and also means that staff and pupils can work at the school in a safe environment after dark.



*"We are so excited to see this project coming to fruition. We began planning to install a solar system 3 years ago and we did not have enough funds to carry out the project.*

*We are grateful as a school and a community to be able to improve the lives of our orphans at the school and vulnerable children. All thanks to Pure Leapfrog and British Airways Carbon Fund we now have our own solar system installed"*

**Lindsey Haworth Head of Care**

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