

# ENERGY SAVINGS SECURE BRIGHT FUTURE FOR SA PRIMARY SCHOOL



A local South Australian primary school is already seeing great results after investing in innovative energy-saving technology with Sustainable Focus. Working with the School Facility Manager, Sustainable Focus installed an integrated Energy Management System (EMS) at the school to manage all of the air conditioning and ventilation systems, as well as hot water and lighting, with a key deliverable being demand management.

## RESULTS

ANNUAL ENERGY  
REDUCTION OF

30%



NETWORK DEMAND  
REDUCTION

40%



CAPEX 50%  
LESS THAN  
OTHER  
OPTION



The school had been struggling with capacity constraints, and a consultant originally advised a service mains upgrade and a (very expensive) new transformer would be required.

However rather than spend money on singular assets such as transformers, the school has embraced new technology that addresses capacity constraints and has delivered many other benefits:

1. A much fresher and cleaner environment for the kids
2. Stable temperatures
3. Significant CAPEX savings
4. Substantial energy consumption reduction
5. Substantial demand reduction
6. Substantial OPEX savings

This transformation has been enabled by the fully automated EMS, which minimises waste and delivers maximum efficiency by optimising all the site electricity loads to provide the best environment, with all systems reporting to the main brain which monitors the site demand to ensure the site load is kept within limits.

Each space has its own fresh air and temperature sensors, and the EMS also allows for a series of demand management strategies to be implemented which offer protection to the sites limited electricity fuse capacity.

Overall, the upgrade has enormously enhanced the school, with great cost savings and greenhouse gas reductions and an improved environment for staff and students.

## CLIENT FEEDBACK

"Our energy costs have tumbled. The school is demonstrating the effectiveness of smart technology controls in reducing site OPEX" - School Facility Manager