



Abbeylands Nursing Home cares for energy savings as well as lives

CASE STUDY

OVERVIEW

Abbeylands Nursing Home, constructed in 2005, is a purpose built state-of-the-art complex equipped with all the modern facilities you can expect from a premium nursing home. Their professional team are experienced in the provision of quality care and the attention to detail is second to none in this regard.

With Global Energy Managements' consultation, Abbeylands understood that by implementing an energy efficiency solution they would be able to save on energy and cut down on CO₂, which is essential due to the 2010 extreme budget cuts in the public sector.

SOLUTION

Implementing PowerSines ComEC and Remote Energy Management System provided full control, monitoring and analysis of all electric parameters and energy usage. One ComEC unit stabilised all the voltage output to the entire facility, and with the Remote EMS Abbeylands was able to maximise their energy savings by intelligent allocation of electric usage.

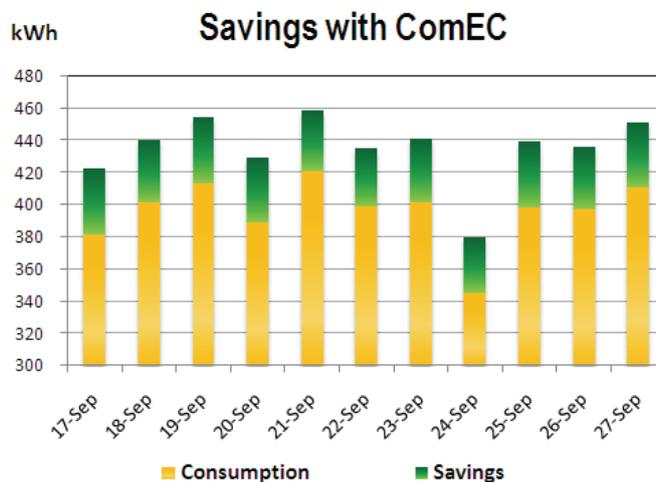
"The implementation of PowerSines Universal Energy Controller (ComEC) and Remote Energy Management System, was the ideal voltage optimisation choice," stated Kevin Regan, Director of Abbeylands Nursing Home and Alzheimer's Unit in Cork Ireland. *"The Installation was quickly completed with minimal disruption to the day-to-day care of operations and savings were visible immediately."*

RESULTS

The installation of ComEC 125 with Remote EMS provided Abbeylands with:

- 9% consistent energy savings on a 230V electric network
- Reduction of 18,361 kWh
- Reduction of 10.6 tons CO₂ emissions.

Abbeylands Nursing Home will payback their investment within 3 years and received a 92% on their 10 year Internal Rate of Return (IRR).



	With	Without
Annual kWh	185,649 kWh	204,010 kWh
Annual CO ₂ Emissions	107.7 tons	118.3 tons
Annual Electric Costs	24,450 €	26,868 €

APPLICATION

Nursing Home

BENEFITS

Up to 18% direct savings for all electric loads

ROI within 1.5-3 years

Quick and easy installation

No changes to existing electrical infrastructure

Voltage stabilization and control

Internal & manual bypass & protections

Decreases reactive energy

