

CASE STUDY



Voltage optimisation in agriculture

INTRODUCTION

Farming is and always has been about making sure that tight margins are managed in a way that ensures the farmer can reap maximum benefit from their produce.

KEY FIGURES

- **Annual energy consumption savings: 36,000kWh**
- **Annual financial savings: £3,900**

THE CHALLENGE

Our client is a pig rearing farm based in the East Riding of Yorkshire. Like many farms that rear animals it is important for our client to control the ambient temperature to maximise output and minimise the occurrence of any disorders.

A great deal of the cost on site is related to lighting and heating for the new piglets. Not uncommonly in rural locations, the voltage being delivered to the farm was well above the nominal UK voltage of 230V.



Pig rearing farm: Heating & lighting were large consumers of electricity on site

THE SOLUTION

A voltage optimisation system was installed on site and after monitoring the site for 4 months a saving of 12,000kWh was recorded, a cost saving of £1,315.00. An annual saving of in excess of £3,900.00 is expected in the first year alone, giving a payback of less than 12 months



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