

# CASE STUDY



## AESSEAL Plc – Manufacturing

### THE CLIENT

AESSEAL is one of the major specialists in the design and manufacture of mechanical seals and support systems. Mechanical seals are used in pumps and rotating equipment to prevent liquids and gases from escaping into the equipment.

### THE CHALLENGE

AESSEAL has a progressive stance towards improving its environmental performance. It is dedicating to conserving water and energy and to reducing CO2 emissions.

Holding the ISO 14001 Environmental Management and the ISO 50001 Energy Management accreditations, AESSEAL continually look for ways to improve energy efficiency.

Powerstar voltage optimisation was recommended to AESSEAL by a local MP during an on site visit which resulted in AESSEAL inviting Powerstar to carry out a full site survey.

### THE SOLUTION

Powerstar recommended the installation of a 1000kVA Powerstar voltage optimisation unit with a voltage reduction of **4.6%** to save a minimum of **164,339kWh** per year.

### SAVINGS & BENEFITS

An immediate energy saving of **6%** was recorded on site following installation.

[www.powerstar.com](http://www.powerstar.com)

### KEY FIGURES

 **Energy consumption savings: 6%**

### CUSTOMER QUOTATION

*“Powerstar in particular and voltage optimisation equipment in general deserves to be higher up the business and political agenda and possibly needs to be if the UK is to achieve our targeted CO2 emission reductions.*

*Not only were Powerstar local, but they were also the best value for money supplier and their customer service, project management and installation support service were exemplary.”*

**Chris Rea**, Managing Director, AESSEAL



AESSEAL Plc headquarters in South Yorkshire

