**INTRODUCTION**
Patrington Haven Leisure Park is an award winning 5 star caravan park based in the East Riding of Yorkshire.

Set in 40 acres of beautiful countryside close to many award winning beaches the park boasts numerous facilities including a fishing lake, bar, restaurant, heated indoor swimming pool, fitness centre and a multi-sports court.

**THE CHALLENGE**
The park is very keen on protecting the environment, as evidenced by the David Bellamy Gold Conservation award for the work they have done to protect and enhance the landscape around them, and were looking at ways to reduce their carbon footprint and save energy.

After consultations with PJD Electrical & Solar, the management team at the park decided to ask Powerstar to survey the site and recommend a solution.

**THE SOLUTION**
The Powerstar team recommended that the park should replace their 1965 HV distribution transformer with the Powerstar HV MAX distribution transformer with integrated electronic voltage optimisation. Powerstar HV MAX solutions exceed the Eco Design 2021 efficiency specifications, providing a solution which provides greater returns on investment over the transformers lifespan.

**KEY FIGURES**

- **Consumption savings:** 16.9%
- **Tonnes of CO₂ Saved:** 144.2
- **Financial Savings:** £23,233

**BENEFITS**
Powerstar HV MAX provided the park with more than just an energy efficient transformer to replace their older model.

Replacing the old HV distribution transformer with a low loss amorphous core transformer delivered a more energy efficient electricity supply.

The integrated electronic voltage optimisation provides additional benefits of a stabilised, constant voltage output and further savings in electricity consumption.

Patrington Haven Leisure Park is set in 40 acres of countryside.
CASE STUDY

Patrington Haven Leisure Park

SAVINGS
Patrington Haven Leisure Park is now enjoying energy consumption savings of 16.9% which equates to 270,461kWh saved per year and an annual saving of 144.2 tonnes of CO2.

The park are also benefitting from the 15 year warranty for the Powerstar HV MAX which has an expected lifespan of 50 years.

CUSTOMER QUOTATION

“We are extremely happy with the savings provided by Powerstar which are in excess of the savings guarantee. Powerstar were a fantastic company to work with.”

Guy Sparkes, Director, Patrington Haven Leisure Park

INTRODUCER QUOTATION

“Having worked with Powerstar on energy savings projects previously, this is another fantastic result for Patrington Haven Leisure Park.”

Paul Duplock, PJD Electrical & Solar

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