



Investec South Africa

INTRODUCTION

Investec is a specialist Bank and Asset Management company which provides a diverse range of financial products and services to a niche client base in three principal markets, South Africa, the United Kingdom and Australia.

Investec's strategic goals are motivated by the desire to develop an efficient and integrated business on an international scale through the active pursuit of clearly established core competencies in the group's principal business areas.

THE CHALLENGE

Investec are committed to lowering their carbon emissions, reducing waste by recycling, and are continuously looking for technologies that will reduce their environmental footprint.

THE SOLUTION

Following a thorough site evaluation, load analysis and voltage evaluation, the maximum site voltage was recorded as high as 242.7V with the average voltage at 236.6V.

The Powerstar South Africa team determined they could effectively optimise the incoming voltage to match the electrical profile resulting in quantifiable savings.

Due to its unique design Powerstar also provides total phase balancing and also filters harmonics from the supply.

The Powerstar voltage optimisation system is achieving annual electrical consumption savings of 11.51%. This equates to a reduction of 258.8 tonnes of CO2 per year.

KEY FIGURES

- ✔ **Guaranteed kW savings: 6.98%**
- ✔ **Actual Annual kW savings: 11.51%**
- ✔ **Actual Annual kVA savings: 18.85%**



LITE MAX HV MAX