INTRODUCTION
Lofthouse of Fleetwood, manufacturer of the iconic menthol lozenge Fisherman’s Friend, is a family run company which operates a 600,000 sq ft manufacturing factory in Fleetwood, Lancashire. The factory produces over 5 billion lozenges a year.

THE CHALLENGE
The Fleetwood manufacturing facility was expanded in 2000, and since this time the company have continued to review the manufacturing procedures for Fisherman’s Friend in order to identify where energy efficiencies can be maximised without impacting on the productivity and output from the factory.

Voltage optimisation was identified as a viable technology for the site and Powerstar were invited to site to assess current energy consumption levels and recommend a solution with guaranteed savings.

THE SOLUTION
Following a site evaluation and load analysis, the Powerstar team recorded incoming voltage levels up to 257.1V, with the average voltage delivered at 252.3V.

Due to the high voltage levels, the degree of voltage fluctuation into the site and the additional security required to ensure that Fisherman’s Friend production levels were not impacted, a 1150kVA Powerstar MAX system was recommended, to reduce voltage by an average of 31.1v.

SAVINGS AND BENEFITS
The installation of Powerstar MAX will reduce the electricity consumption by 695,701kWh annually, which is a 14.1% reduction. This equates to an annual saving of 370.9 tonnes of CO₂ emissions.

www.powerstar.com