

METALLIC PARTS MANUFACTURER, STOBA, ENHANCES SUPPLY RESILIENCE WITH COMBINED 1MW ENERGY STORAGE & UPS SOLUTION

VIRTUE
ENERGY STORAGE SOLUTIONS

Client:

Stoba – A metallic parts manufacturer

Application:

Seamless UPS

Voltage regulation

Location:

Sussex, UK

Technology:

1MW BESS & UPS

Project Date:

2018

CHALLENGE

Stoba is a mass manufacturer and supplier of metallic parts and high-quality components to the automotive industry that operates internationally.

Due to the high value of the products that are manufactured, exceptional levels of quality and efficiency are required. This means that any interruptions to the site's power supply can have operationally and financially damaging consequences. Therefore, heightening supply resilience was of significant importance to Stoba.

SOLUTION

After a thorough site survey and analysis of the site requirements, Powerstar recommended the installation of a 1MW VIRTUE Battery Energy Storage System (BESS) with integrated voltage regulation and full site-wide seamless Uninterruptible Power Supply (UPS) capabilities.

The full UPS capabilities of Powerstar's VIRTUE provides a rapid responding site-wide backup and keeps the site running without interruption even when blackouts and brownouts occur in the region, protecting against costly supply failures interrupting critical business operations.

RESULTS

The Powerstar VIRTUE system, installed in 2018, is providing the site with an optimised voltage output due to the integrated voltage regulation technology, which reduces the electricity consumption and costs of the site.

In addition to this, the full UPS capabilities have increased the supply resilience of the site and negated costly interruptions to the manufacturing process.

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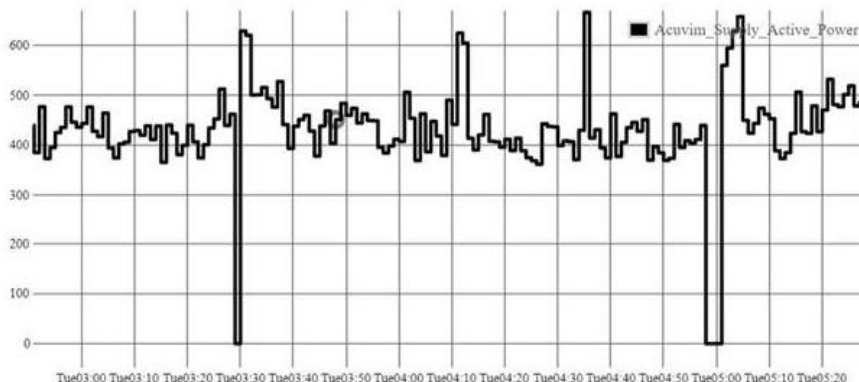
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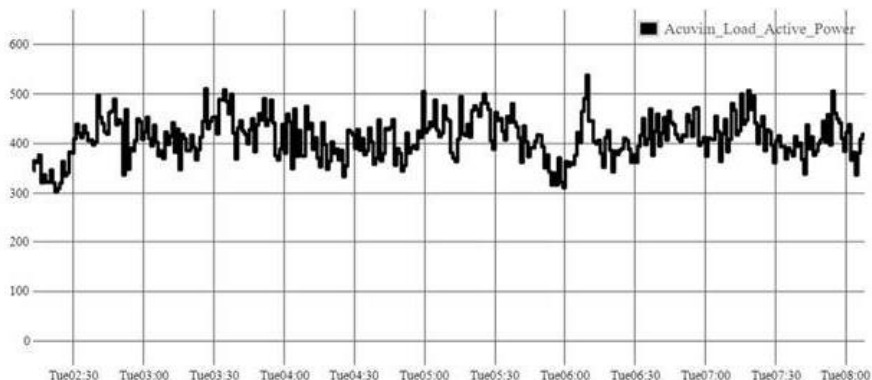
ANALYSIS

The graphs below illustrate that load power was not interrupted during the changeover to batteries that occurred due to an energy failure on the site.

Supply Active Power



Load Active Power



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