

CASE **STUDY**

PUMP REFURBISHMENTS

SET TO REDUCE
ANNUAL ENERGY
COSTS AT STEEL MILL
BY £500k+

CS00424/7

TRACKUP REF: 5436



HAYLEY 247

DEXIS

HAYLEY 24/7 DEXIS MECHANICAL ENGINEERING SERVICES // METALS

Focus on **value**

**TRACK
UP**

THE SITUATION

The operators of a major steel manufacturing Hot Mill site in South Wales contacted their local HAYLEY DEXIS team and challenged them to assist with reducing energy consumption and costs.

The focus area of this would be the slab sprayer area where the steel is reheated and temperatures exceed 1250°C, before the steel is coiled.

THE SOLUTION

A HAYLEY DEXIS Sales Engineer, along with a member of the HAYLEY 24/7 DEXIS Pump Services team visited the facility to understand the use of pumping equipment and to identify potential areas where energy efficiency could be improved.

KEY VALUE AREAS



COST OF OWNERSHIP



SPEND

Three cooling water return pumps were chosen for specialist refurbishment treatment that would include a coating of Belzona 1341 and new sets of wear rings for each asset.

THE RESULT

The pumps, running 24/7/365 and performing an essential role in the mill's slab sprayer area, were sent to HAYLEY 24/7 DEXIS' main workshop in Dudley, West Midlands, where they were subjected to a full refurbishment on a priority basis.

“
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”

Due to the fact that the pumps were 20+ years old with no refurbishment jobs being conducted on them in the past 5 years, the calculated efficiency gain achieved by the HAYLEY 24/7 DEXIS pump refurbishment was 10%.

The Belzona 1341 coating, applied to the pumps internals was calculated to improve the overall hydraulic efficiency by 8%. This meant that a total efficiency gain of 18% was achieved for the three pumps, representing a total cost-saving of £521,526 per year for the customer.

KEY SOLUTIONS

HAYLEY 24/7 DEXIS pump refurbishment services.

Belzona 1341 (Supermetalglide) efficiency coating.

KEY RESULTS

18% efficiency improvement for 3x pump assets.

£521,526 total saving on yearly energy costs secured.

Reliability and longevity of pumps assured.

CONTACT US!

Get in contact with our team, today!

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