

CASE **STUDY**

YEARLY ENERGY COSTS

**REDUCED BY
£51k FOLLOWING
DEWATERING PUMP
SYSTEM BEING
CHANGED BY HAYLEY
DEXIS**

CS052



HAYLEY DEXIS PUMPS // AGGREGATES

Focus on **value** **TRACK
UP**

THE SITUATION

The customer, a leading supplier of building materials to the construction industry, was aiming to reduce the costs associated with the dewatering process at their quarry in North Yorkshire.

An SLD pump set was operational for twelve hours on every day of the year, to prevent the quarry from flooding. Diesel was being consumed at a rate of 127,000 litres per year, equating to an annual running cost of £76,200.

THE SOLUTION

The Energy Check was completed on-site in accordance with the ISO 14414 Pump System Energy Assessment Standard, and revealed the potential for considerable savings to be made, both in terms of cost and in a reduction in carbon emissions.

The pump would be mounted on a floating pontoon, with a winch to enable the pontoon to be floated to and from shore.

KEY VALUE AREAS



SPEND



**TOTAL COST OF
OWNERSHIP**

The 75kW Vertical Line Shaft Pump and pontoon would be assembled by the engineers at HAYLEY 24/7 DEXIS, and delivered to site on a Hiab vehicle.

THE RESULT

As a result of changing the pump system at the quarry, the customer has been able to enjoy an annual saving of £51,000 on pump energy costs alone. This has made their quarry dewatering operation far more cost-effective, with a full return on investment secured in under twelve months.

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**A COMPLETE PAYBACK
ON THE INITIAL
INVESTMENT WAS
SECURED WITHIN
A LITTLE OVER 18
MONTHS.**

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The amount of diesel being consumed by the previous pump set was having an adverse effect on the environmental sustainability of the operation. By switching to a single electric-powered alternative, this has been improved dramatically.

CONTACT US!

Speak to your local HAYLEY DEXIS branch today!

You can find their details by using our online Branch Finder tool:

www.hayley-group.co.uk/branch-finder.

KEY BRANDS



KEY SOLUTIONS

Caprari 75kW Vertical Line Shaft Pump.

KEY RESULTS

Pump running costs reduced.

Environmental impact of operation reduced.





HAYLEY

DEXIS