

# CASE **STUDY**

**HAYLEY DEXIS**

**IMPROVE ENERGY  
EFFICIENCY OF  
SCREEN DRIVE WITH  
UPGRADED UNIT**

CS064



**HAYLEY**  
DEXIS

## HAYLEY DEXIS DRIVES // WATER

Focus on **value**

# TRACK UP

### THE SITUATION

The customer was looking into site-wide changes that they could feasibly make in order to reduce energy consumption. They had earmarked a Flender Cavex worm and wheel drive on a screen that had been in service for 20+ years, for a potential upgrade. The set-up was no longer the most suitable solution for the application, and was highly inefficient.

### THE SOLUTION

A technical specialist from HAYLEY DEXIS | Drives attended site to make the required calculations and to recommend an appropriate solution.

The solution offered and delivered was a flange-mounted, right-angled planetary gearbox fitted with an IEC motor. The motor selected was classified IE3, providing a hugely improved energy efficiency rating to the current unit.

### KEY VALUE AREAS



SERVICES



COST OF OWNERSHIP

To enable a rapid turnaround, a special torque arm was designed and fabricated to fit exactly with the new standard screen being produced simultaneously by the screen manufacturer.

### THE RESULT

Downtime was kept to a minimum during the work, by providing a customised drop in solution that worked seamlessly with the new screen. This prevented the customer from experiencing any more operational disruption than necessary.

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THE CUSTOMER IS NOW BENEFITTING FROM A UNIT THAT IS AROUND 25% MORE ENERGY EFFICIENT.

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The customer is now benefiting from a unit that is around 25% more energy efficient than the previous motor, saving a significant amount in running costs.

Maintenance procedures, especially repairs are now easier and less expensive with replacement parts available off-the-shelf.

## 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](http://www.hayley-group.co.uk/branch-finder).

## KEY RESULTS

Reliability of application improved.

Energy efficiency improved by 25%.

Total cost of ownership reduced.

Spares now available off-the-shelf.





**HAYLEY**

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