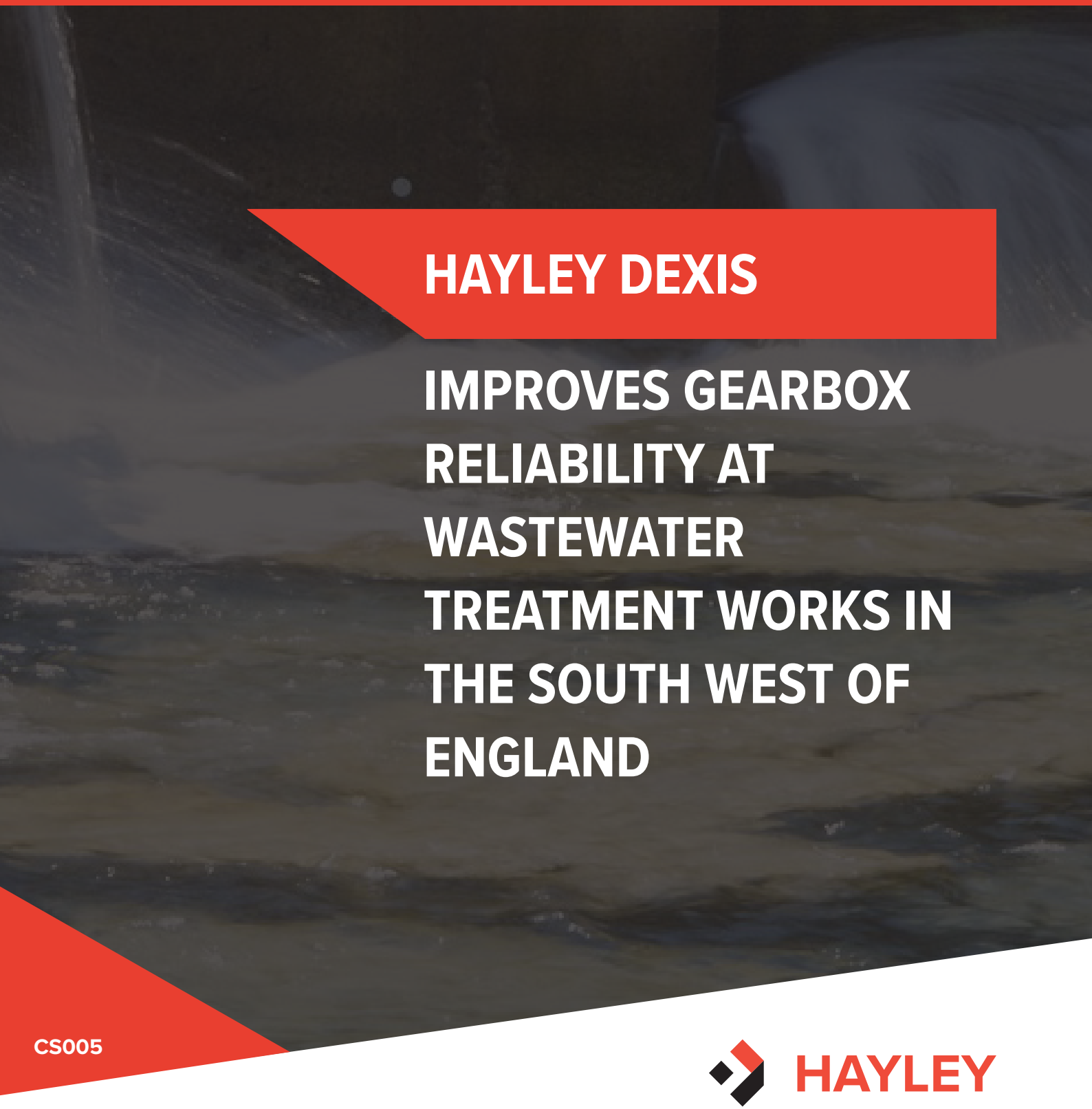
CASE STUDY



HAYLEY DEXIS

IMPROVES GEARBOX RELIABILITY AT WASTEWATER TREATMENT WORKS IN THE SOUTH WEST OF ENGLAND

CS005

HAYLEY DEXIS

HAYLEY DEXIS
DRIVES // WATER

Focus on **value**

TRACK UP

KEY VALUE AREAS

- TOTAL COST OF OWNERSHIP
- SPEND

THE SITUATION

The site was operating using an obsolete gearbox unit, not manufactured for 30 years. Its components, including its bearings and seals, had been replaced many times with all now coming to the end of their natural lifespans.

The team at HAYLEY DEXIS were asked to provide a modern solution that would improve reliability and save operational costs.

THE SOLUTION

The solution was designed to have the same dimensions as the existing unit to fit seamlessly within the same space as the existing asset. Dimensions of the shaft on the new unit were also matched to fit the existing wheel, allowing it to continue driving the tank from the outside.

The redesigned gearbox was a modern Siemens helical bevel unit with a ratio 363:1 c/w, a six pole electric motor, a complete base plate, a special output shaft and two support bearings.

THE RESULT

Thanks to the solution mirroring the dimensions of the existing unit, installation was completed quickly. This helped to keep the shutdown period required to complete the switch-over to a minimum.

The new unit has significantly improved energy efficiency, reducing running costs for the customer. As a result of this, the carbon footprint of the operation has shrunk.

“DOWNTIME AND MAINTENANCE COSTS HAVE BEEN REDUCED.”

The new unit is also capable of transmitting more power and torque than the previous gearbox. It is, therefore, able to cope with heavier loads, and will be better equipped to deal with any future increases in production.

Improvements to reliability are also now being enjoyed by the customer.

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

Siemens

KEY SOLUTIONS

Siemens CAZ89-K4(71)

KEY RESULTS

Reliability of asset improved.

Availability of spares increased.

Total cost of ownership reduced.

Energy consumption reduced.

HAYLEY

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