



CMDP AT BEWL WATER

IN COLLABORATION WITH LYNCH





INTRODUCTION

CMDP is upgrading the reservoir at Bewl through a **£30 million project** that includes the installation of three large hydraulic siphons. These siphons will enable Southern Water to lower the reservoir's water level more quickly when necessary. This is needed for various reasons, such as conducting repairs or reducing high water levels during heavy rainfall. These measures will help ensure the safety of the reservoir and protect it against the impacts of climate change.

The Bewl reservoir is the largest expanse of open water in the South East of England. It serves as a crucial source of drinking water for East Sussex and Kent, with the capacity to hold over 31,000 million litres of water, sufficient to meet the average daily water needs of nearly **200 million people**.

Lynch is proud to support this venture with plant hire and closely collaborate with CMDP to achieve shared goals in **safety, sustainability, and digital innovation**.

SAFETY FIRST MINDSET

At CMDP, safety is the top priority, and Lynch is proud to support their commitment to ensuring a secure working environment for all.

To enhance site safety, we've delivered **Red Zone Training** to over **30 members of the site team**, reinforcing the importance of awareness and best practices so everyone can return home safely at the end of each day.

We're working closely with CMDP to introduce and implement **innovative safety technology**. Our fleet on-site is equipped with **Human Form Recognition cameras and Digital Thumbs Up**, designed to reduce red zone incursions and improve People-Plant Interface safety. To ensure effective use of this technology, we've provided hands-on training to over **30 members of the site team**, giving them the confidence to operate safely.

Looking ahead, we're supporting CMDP in trialling **new safety solutions**, including the **MDig bucket**, which is focused on **strike avoidance**, a key step in further reducing on-site risks.

As part of this ongoing collaboration, Paul Lynch, Head of HSQE & Supply Chain, conducted a **safety audit**, reviewing **barrier systems, walkways, working at height, and access and egress points**. The audit recognised strong safety standards across the site, with only minor recommendations for improvement.

By working together, CMDP and Lynch are driving forward a culture of safety, innovation, and continuous improvement, ensuring that site safety remains at the highest standard.



NET ZERO CARBON

At Lynch, we are committed to aligning with our CMDP's **sustainability goals** and supporting them in reducing carbon emissions on the journey to net zero. CMDP is a forward-thinking venture, passionate about **exploring the latest technology**, and we're proud to support them by introducing **Hydrogen-on-Demand technology** to the site. We've fitted an **Ultimate Fuel Cell** to a **15T excavator**, optimising its combustion engine by injecting small amounts of hydrogen into the air intake. With **no hydrogen storage**, this scalable solution is ideal for the Bewl site. **Previous successful trials have indicated fuel savings of up to 31%.**

To further enhance efficiency, we've delivered our **award-winning Eco Operator Training** to over **20 members of the site team**, helping to instil best practices in fuel-efficient operation. With an average idling time of **24% (our green idling benchmark)** operators are actively reducing fuel consumption and carbon output.

Sustainability isn't just about reducing emissions; it's also about **making a lasting social impact**. As part of our **Sustainability at Heart** pillar, we proudly supported CMDP and their customer, **Southern Water**, at a **Social Value Public Event** during half-term. The event gave local people a chance to experience machine operation through VR technology, ask questions about the work on-site, and gain a better understanding of the industry—helping to **engage and give back to the local community**.

By working together, CMDP and Lynch are **delivering innovative, sustainable solutions** and driving real change on-site and beyond.



DIGITAL BY DEFAULT

We're passionate about embedding **innovation** throughout operations, and CMDP continuously explores **cutting-edge technology** to enhance **safety and efficiency**.

As part of our collaboration, we introduced our **immersive Virtual Reality (VR) training programme**, bringing a new dimension to on-site training. Using this **revolutionary technology**, we trained over **30 site personnel**, providing them with a highly engaging and effective learning experience on **Red Zones, People-Plant Interface, and Exclusion Zones**. This hands-on approach enhances awareness, improves decision-making, and strengthens site safety.

We've also introduced our **customer portal**, giving CMDP complete control over their **hire process**. With **instant access to live information and reports**, the portal has significantly streamlined operations, delivering **valuable time savings** and improving efficiency. By working together, CMDP and Lynch leverage **technology-driven solutions** to create a safer, smarter, and more efficient working environment.



WOW OUR CUSTOMERS & COLLEAGUES

We're proud to deliver **exceptional service** and work closely with our customers to provide **innovative solutions** that enhance safety, efficiency, and sustainability. As part of our collaboration with **CMDP**, we co-hosted a **Utility Innovation Showcase**, exploring **new methods and technologies** that CMDP could introduce to the **Bewl site**. This included:

Ultimate Cell – Now installed, this technology helps **reduce carbon emissions** by optimising fuel combustion.

MDig Bucket – Designed to **prevent damage to underground infrastructure**, with a site trial currently being arranged.

FuelActive Filters – A solution to **reduce fuel-related breakdowns**, which we are in the early stages of implementing.

We're pleased to have received outstanding feedback from the CMDP site and works managers, reinforcing our commitment to customer satisfaction and high-quality training.

"We had an FLS meeting on site today, supported by training from Lynch Plant Hire's Reece Curtis and Valon Krivenjeva. The training covered:

- ✔ ***Eco Operator – reducing emissions***
- ✔ ***Digital Thumbs Up warning system***
- ✔ ***VR headset training in the classroom***
- ✔ ***Human Form Recognition training at the excavator***

The training was delivered to such a high standard with the utmost professionalism. In all my years in construction, I am super impressed with this extremely informative training."

– Mick Gould, CMDP

"We organised training with Lynch Plant Hire for our operatives, office team, and Southern Water site operators. It was an interactive session, especially for those who don't normally get the chance to get up close to the plant. Some even got inside the machines to see what it's like. Lynch also provided Red Zone training, helping us understand the importance of plant exclusion zones and safe working around machinery. It was great to have the client involved, showing the strong collaboration we have with Southern Water at Testwood Works."

– Kevin Etherington, CMDP

HELPING OUR CUSTOMERS BUILD BRITAIN'S INFRASTRUCTURE.

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