

Solution Story

Reduced Downtime and Increased Cost Savings for a Utah Fire & EMS District

SITUATION

A Utah fire & EMS district faced challenges with the increased cleaning requirements brought about by the COVID-19 pandemic. The district was spending two to three hours disinfecting each vehicle with manual sprays, wipes, and mops. These methods were also being used in common areas, bunking rooms and other spaces. Faced with staff shortages and increased overtime costs, this impeded their ability to turnover vehicles quickly and safely. With all of this in mind, they sought an alternative solution. Patient and employee safety were the priority as rushed disinfection increased their risk of human error and subsequently, contamination.

SOLUTION

Ecolab's account management team assessed the district's concerns, evaluating their current procedures and provided a package to address these specific areas requiring improvement.

The district had 12 ambulances as well as other emergency response vehicles spread across approximately seven different locations. Three Bioquell BQ-EMS systems using Bioquell hydrogen peroxide vapour technology for decontaminating smaller spaces such as vehicles, were selected to handle the vehicle decontaminations between the various locations. These systems allowed the district to decontaminate an ambulance in under one hour, eliminating organisms on exposed surfaces. Additionally, two Bioquell ProteQ units, ideal for larger spaces, were acquired to be used throughout the common areas.

Using these different systems would ensure that no exposed surface would be left untouched in either their vehicles or common areas during their decontamination process. Training was also provided to the staff by Ecolab technical experts to help ensure best practices were followed.

RESULTS

The district was able to significantly reduce the vehicle downtime, placing vehicles back on the road and reducing the labour hours needed for manually cleaning each vehicle and minimising associated overtime costs.

With the amount of time saved in reducing vehicle disinfection from three hours of manual cleaning to one hour of automated decontamination, it is estimated that a \$3,900,000* increase in revenue could be achieved if the fire district were to run at full capacity over a year.



\$3.9M ANNUAL REVENUE IMPACT POTENTIALLY*



\$300,000+ SAVED ON OVERTIME HOURS PER YEAR*



REDUCED VEHICLE DOWNTIME BY 67%



HELPED ELIMINATE RISK ASSOCIATED WITH HUMAN ERROR DURING CLEANING



How Ecolab Adds Value



CUSTOMER TRAINING

Ecolab trains staff and new hires how to use our equipment and to ensure best practices are being utilised.

VALUE+

- Gain operational efficiency by having multiple staff members trained on how to use the equipment
- Reduce troubleshooting time with on-site support and process training to resolve problems quickly



TECHNICAL SUPPORT

Ecolab offers support from a team that is experienced and trained in the field and leverages their expertise to help ensure needs are met.

VALUE+

- Technical guidance is matched to your most relevant needs and objectives
- Dedicated team that is familiar with your equipment and processes



CUSTOMER SERVICE

Ecolab's team of service professionals offer a superior level of support for requests relating to equipment, consumables, and more.

VALUE+

- Helps ensure that any issues that may arise are taken care of promptly
- Assistance available in-person, online and over the phone to create a seamless communication experience

See the Bioquell BQ-EMS in action at [Bioquell.com/EMS](https://www.bioquell.com/EMS)



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BIOQUELL
52 Royce Ct
Andover
SP10 3TS, UK
www.bioquell.com

EUROPE HEADQUARTERS
Richtstr. 7
8304 Wallisellen
Switzerland
www.ecolablifesciences.com

