

# ECOLAB® DELIVERS BEST-IN-CLASS

The right products. The best tools. Insights to optimize.  
Expertise to drive your success.

## Ecolab Digital Solutions

Digital workflows, real-time monitoring, and advanced analytics insights to help you optimize cleaning protocols and use Ecolab products most effectively.

## Ecolab Expertise

Steering the entire Total Program engine toward maximum value – matching chemistry and equipment to your needs and acting on digital insights to optimize efficiency.

## Ecolab Chemistry

Comprehensive portfolio of targeted solutions to tackle your toughest soils and increase cleaning efficiency.

## Ecolab Equipment

Get the most out of Ecolab products with innovative equipment built to drive consistency, efficiency and safety.



## EFFICIENCY

Reduce cleaning time to accelerate productivity



## PRODUCT QUALITY

Ensure reliable, consistent cleaning.



## SUSTAINABILITY

Reduce water & energy usage and minimize waste



## COMPLIANCE

Automate documentation & reporting for audit-readiness.

## THE PEACE OF MIND OF A TRUSTED PARTNER

- ✓ **Proactive service:** Using data and science to anticipate challenges and stay ahead of risk.
- ✓ **Collaborative approach:** Working as an extension of your team to drive performance and compliance.
- ✓ **Integrated risk visibility:** Insight on complex, interconnected operational challenges.
- ✓ **Vendor assurance:** Products made to GMP standards.

**50%**

50%\* reduction in rinses with KLRQ, boosting productivity & decreasing water use

**CASE STUDY 1**

**70%**

Rapid emergency response for biodecontamination, reducing downtime by 70%

**CASE STUDY 2**

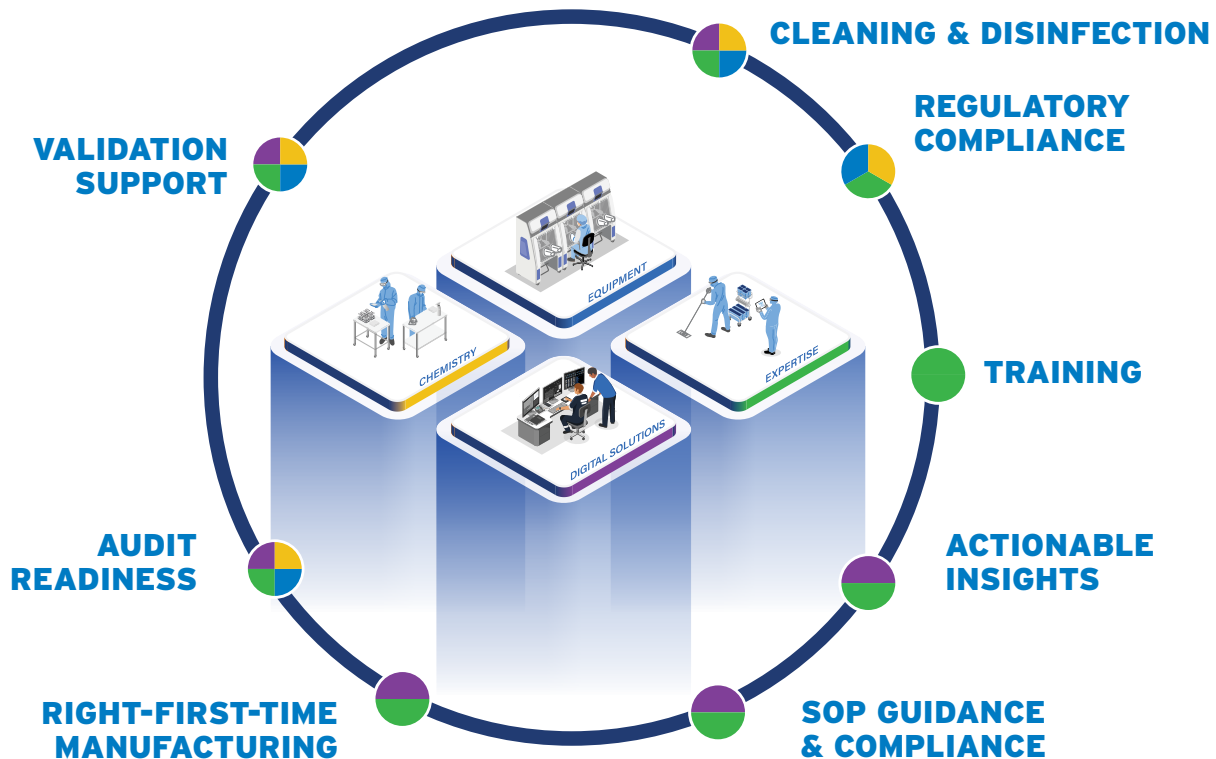
**5%**

Improved cleaning turnaround time by 5%, adding capacity to cleanroom operation

**CASE STUDY 3**

## Bringing out the best in your business to achieve greater total value.

Ecolab Life Sciences offers unparalleled contamination control, efficiency and compliance. With industry-leading expertise and data-driven insights, we unlock your full potential, leading to optimized manufacturing performance and reduced risk.



### VALIDATION SUPPORT

We deliver methodology, data, expertise, and documentation to validate our manual and automated solutions.



### AUDIT READINESS

Generate on-demand reports and documentation to track cleaning tasks and ensure audit and inspection readiness with our digital solutions. Our chemistry and equipment help you maintain an audit ready environment, and our experts can keep an eye on everything to help ensure your operations are ready for inspections.



### RIGHT-FIRST-TIME MANUFACTURING

Automate data entry to reduce errors, cut costs, and gain real-time visibility for faster, informed decision-making.



### SOP GUIDANCE & COMPLIANCE

Digitize SOPs to enable real-time tracking, self-enforcing workflows, and operator guidance with embedded visuals with our digital solutions. Our experts can also provide guidance on creating new SOPs or updates to existing ones.



### CLEANING & DISINFECTION

Our experts make on-site visits to evaluate operations, using insights from our digital solutions to find efficiencies in cleaning steps and processes and recommend specialized detergent solutions to help make cleaning more effective and efficient.



### REGULATORY COMPLIANCE

Our experts can help meet compliance through a deep understanding of cGMP standards, ensuring equipment is metering the appropriate chemistry concentration, leveraging registered chemistry along with CFR part 11-compliant software.



### ACTIONABLE INSIGHTS

Gain visibility into operations and equipment to improve efficiency by evaluating every part of the process, ensure process is running smoothly, and optimize cleaning maximize capacity.



### TRAINING

Training team for equipment, application techniques for chemistry, and digital transformation.