



INTEGRATED SOLUTIONS FOR WINERY

ECOLAB®



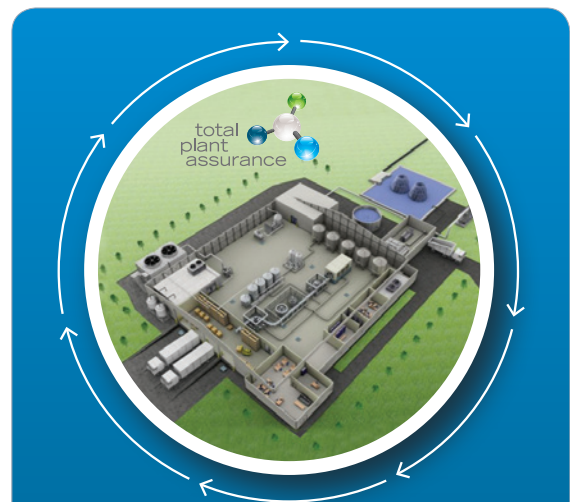
INTEGRATED

program that improves quality
and protects your brand

FOR A CLEAN, EFFICIENT AND MORE
PRODUCTIVE WINERY, TURN TO OUR TEAM.

In a winery, product quality and production efficiency are top priorities. Ecolab's integrated plant sanitation program is designed to improve the cleaning of your winery and bottling hall equipment while optimizing productivity. Our program reduces the time it takes to clean and sanitize – decreasing your water consumption and increasing your capacity.

- **SERVICE:** On-site experts tackle inefficiencies and product quality issues
- **TECHNOLOGY:** Proprietary lubricants, CIP solutions, membrane care programs and more help optimize productivity and total cost of cleaning
- **TRAINING:** Employee safety training and sanitation workshops help ensure consistency and compliance throughout your operation
- **INFORMATION:** Comprehensive operational information and benchmarking help maximize profitability



- CLEANING & SANITIZING OF EQUIPMENT & ENVIRONMENTAL SURFACES
- TECHNICAL EXPERTISE & TRAINING
- EQUIPMENT & ENGINEERING SERVICES
- PEST ELIMINATION
- WATER & WASTEWATER

WINERY



ADVANCED CIP AND MEMBRANE CLEANING TECHNOLOGY

Proper winery hygiene begins with efficient removal of soils prior to sanitizing. Ecolab has unmatched experience and expertise with cleaning solutions for every aspect of the process.

Our innovative cleaning solutions help winery customers clean better and faster with less water, energy and unwanted effluent components, resulting in improved environmental impact.

Whether the need is for the winery or bottling hall, Ecolab understands the strong link between sanitation, efficiency and profitability.

- The ULTRASIL® Series of membrane cleaners are effective for cleaning after a wide variety of filtration processes used in wineries, including tangential filtration and reverse osmosis.
- Ecolab also offers a complete line of built alkaline detergents and additives for use in the winery and bottling hall.
- Ecolab CIP products help improve cleaning results and speed while reducing the bottlenecks that limit production potential.
 - 3D TRASAR™ CIP is a diagnostic tool that uses sensors to verify every clean-in-place (CIP) wash and flags deviations that impact product quality and efficiency helping ensure the most optimal quality of cleaning and sanitization across your operation.

LUBRICATION TECHNOLOGIES FOR CONVEYOR MANAGEMENT

Ecolab provides chemistry, service, equipment and expertise needed to keep your production lines running optimally.

- Ecolab service leads the way with site surveys, installation and proper nozzle placement, system monitoring and management and controller maintenance.
- The DRYEXX® Series of dry lubricants delivers outstanding performance while providing nearly 100% water reduction for lubrication purposes.
- Ecolab's aqueous and dry lubricants help improve operational efficiency throughout your winery.

WATER AND ENERGY MANAGEMENT

Experts and technologies come together to optimize these finite resources.

- Complete effluent program works in harmony with plant production and sanitation to help ensure compliance and minimize waste costs.
- Technology to improve energy and water efficiency, including boiler pre-treatment solutions, boiler blowdown heat exchangers, stack heat recovery systems and filtration programs.
- Innovative chemistry helps improve scale removal from boilers increasing energy efficiency.
- Proven programs help prevent “white rust” on evaporative condensers.
- Expert service team helps optimize your CIP cleaning process to reduce water and energy consumption.

PEST ELIMINATION

Proactive, sustainable solutions help prevent pest problems before they occur.

- Customized protection plan meets regulatory requirements.
- Ongoing communication and documentation provide the information you need.

TECHNICAL EXPERTISE AND TRAINING

Ecolab will assess your needs, develop a solutions plan and help implement and support advanced solutions.

- Ongoing training and support
 - Ecolab offers a wide variety of training programs and tools to help improve quality, safety and productivity.
- Operational support
 - Custom solutions that meet your intervention goals.
 - Coordinated engineering, technical services and maintenance teams support your operations.
- Audit assistance
 - Validate and verify cleaning and sanitizing processes.
- Infrastructure assessments and capital planning support.

