

# BEVERAGE INDUSTRY

Needs &  
Opportunities



# MILL NEEDS

## HOW COULD ALMAR HELP WITH YOUR MILL NEEDS?

- Assess individual effluent streams for reuse or treatment in situ, avoiding the wastewater treatment plant bottleneck.
- Assess water requirements for GMP practices.
- Water footprint calculation, reduction, and full support of ISO 14046 certification.
- Solutions for process water, bottled water and boiler feed water.
- Sludge management and processing.
- Green Hydrogen as a fuel for boilers, ovens, cooling and refrigeration systems.

## ADDING VALUE TO WATER AND ENERGY MANAGEMENT

- Closed-circuit systems: compliance with Corporate Social Responsibility commitments.
- Process water for raw material reception, milling, mashing, pasteurization, and packaging.
- Water and energy for wort boiling/cooling cycle and cooling water system for fermentation and maturation.
- Complementary disinfection systems for bottled water production (UV to eliminate ozone residual and avoid bromate formation).
- Managing and treating effluent from CIP protocols.

# FURTHER SOLUTIONS FOR THE BEVERAGE SECTOR



Waste to energy solutions: utilizing high COD wastewater and sludge for biogas production and OPEX reduction.



Solutions for high-sugar wastewater streams (juice and soft drinks syrups and concentrates).



Water reuse for irrigation (e.g., vineyard, fruit and barley crops).



Metal treatment from distillery wastewater.



Zero Liquid Discharge Solutions for facilities based on water scarce areas.



Compliance with reclaimed water policies supported by local authorities.



# ALMAR CAPABILITIES



Almar Water Solutions possesses the capabilities and resources to tailor water processes specifically for the beverage industry, meeting the unique needs and requirements of each client. Our expertise allows us to implement customized water solutions, ensuring optimal efficiency and sustainability in water-related processes within the beverage sector. From innovative technologies to personalized project management, we are dedicated to delivering tailored solutions that align seamlessly with the distinct demands of our clients in the beverage industry.

- Process guarantees
- Contract warranties
- Permits and planning
- Fully developed and financed solutions: ZERO CAPEX
- Helping end users to focus on their core business



# ALMAR WATER SOLUTIONS

Almar Water Solutions surpasses traditional turn-key solutions by integrating engineering, procurement, project management, and extensive experience in operations and maintenance (O&M), coupled with proficiency in developing financed solutions.

Almar goes beyond a mere evaluation of individual water and energy opportunities and bottlenecks for each facility. We extend our involvement to the financing and operation of water and green hydrogen plants.

In essence, we tackle the high CAPEX challenges associated with water projects, empowering companies to concentrate on their core business, unburdened by financial complexities.



Maria de Molina, n° 39 - 6th Floor – 28006 Madrid



+34 910 312 367



[karina.soares@almarwater.com](mailto:karina.soares@almarwater.com)