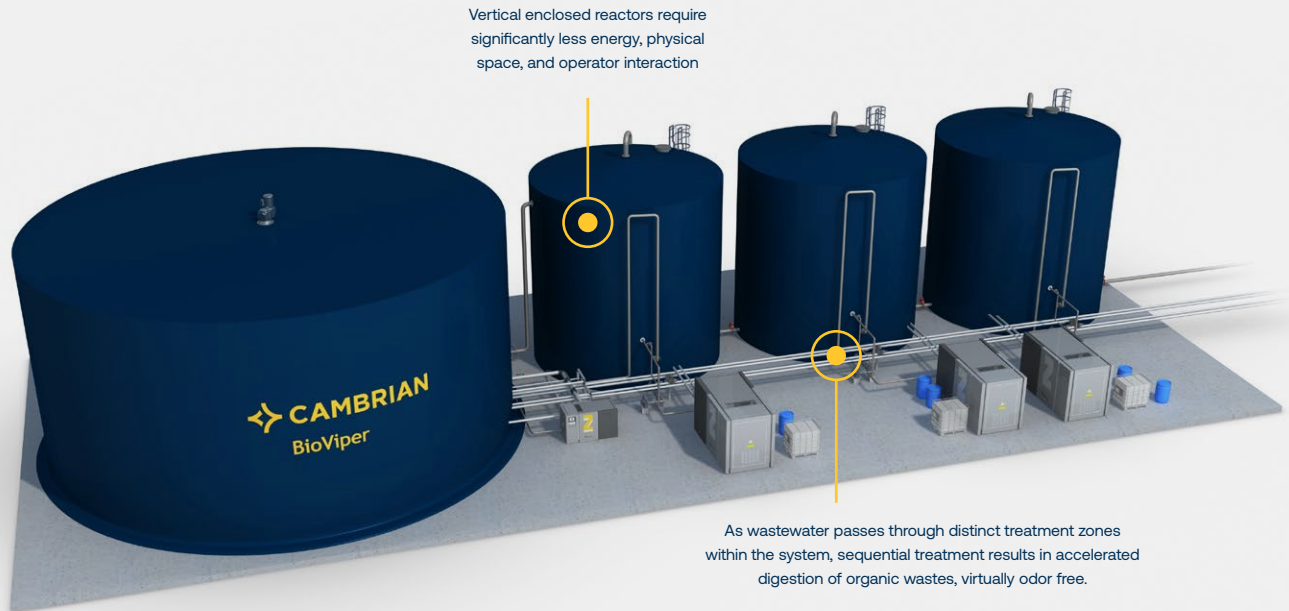


BioViper™

The **BioViper** provides beverage producers with cost-effective, proven treatment solutions that dramatically reduce high surcharges, achieve stricter effluent limits, and provide the opportunity to reuse water.



Inspired by nature. Perfected by technology.

With the high organic levels and variable loads typical in waste streams from beverage and juice processes, some form of wastewater pretreatment is often needed to meet ever-more-stringent municipal discharge limits and reduce related surcharge fees. In addition, the industry as a whole is becoming more conscientious about improving operating efficiency and reducing the impact on the environment. The BioViper offers a wastewater pretreatment solution that helps to satisfy both fiscal and sustainability goals.

BioViper is a robust, automated, biological system specifically designed to treat high-strength wastewater streams with minimal chemical needs and low energy consumption, resulting in lower life-cycle costs than competing treatment technologies.

While traditional treatment systems have high energy demands, produce large quantities of sludge, occupy a large footprint, and require constant operator interface, the BioViper is specifically designed to handle high-strength industrial waste streams without any of these issues.

Utilizing our patented processes—Aerobic/Anaerobic Integrated Microbial Succession (AIMS) and the innovative Dry Cycle Aerobic/Anaerobic Digestion (DCAD) process—the BioViper provides efficient, reliable wastewater treatment within a stable, fixed media environment. The overall treatment process mimics the natural organic breakdown processes that occur in rivers as water flows through various aeration environments.

Cambrian 10-Year Savings: \$6.2 Million vs. MBR

Annual Operating Expenses (\$ in millions/year)
Based on Typical Size Beverage System

Cambrian’s vertical enclosed reactors require significantly less energy, physical space, and operator interaction—benefits that deliver sustainable long-term savings compared to traditional solutions.

Because of Cambrian’s extensive experience working with beverage processors, we can design and install systems that take advantage of the BioViper’s robust biomass to respond to fluctuating waste loads while maximizing treatment.



Cambrian saves ~\$600,000/year over competitors

For peace of mind, leave wastewater management to Cambrian so you can focus on your core competencies.

Cambrian offers its entire product platform as a service. Under the WEPA (Water Energy Purchase Agreement®), Cambrian designs, builds, installs, owns, and operates your wastewater treatment system at no upfront cost. You simply pay for performance, on a per gallon basis, and focus your effort and equity on your core business.

Our Clients









