



Membrane Revolutions in the Beverage Industry

An innovative technology with the potential to dramatically improve beverage clarification.

Water Footprint

It can take **132 gallons of water** to make a 2-liter bottle of soda.

The vast majority of the juice industry's total water footprint is for hydration of plantations.

Beverage Clarification

Crossflow filtration using tubular UF Membranes allows for:

- High **clarification**
- **Removal of bacteria, pectins, crude proteins** while keeping the components that make beverages delicious
- **Augment** existing tubular membrane installations and **decrease OPEX**, while **increasing capacity by up to 30%**.



THE SOLUTION

Swirltex plans to disrupt current technologies for **beverage clarification** through a demonstrated increase in energy efficiency and reduction in operating costs.

THE TECHNOLOGY

The Swirltex process can significantly **increase flux** through a tubular membrane as well as **reduce fouling** and **energy consumption** through a novel innovation. The benefits include

- Less downtime
- Longer membrane life
- Lower energy requirements
- Reduced operational costs



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**SEEKING PILOT
OPPORTUNITIES**