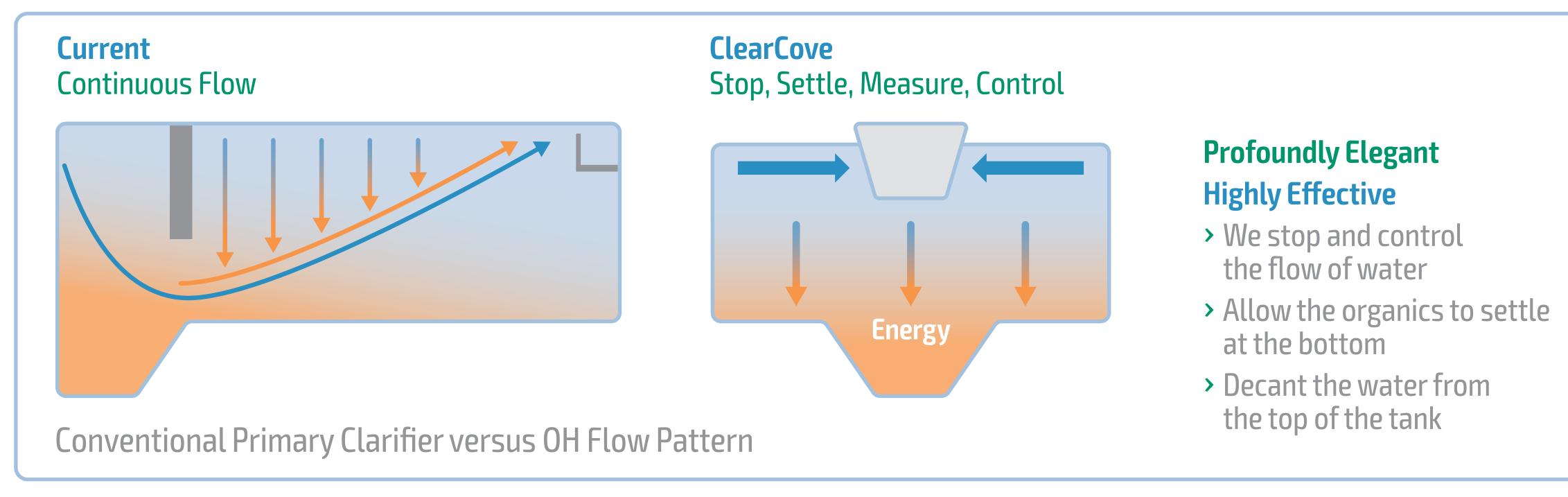
# 

### **Technology Overview & Differentiation**



## **ClearCapture™ Case Studies**

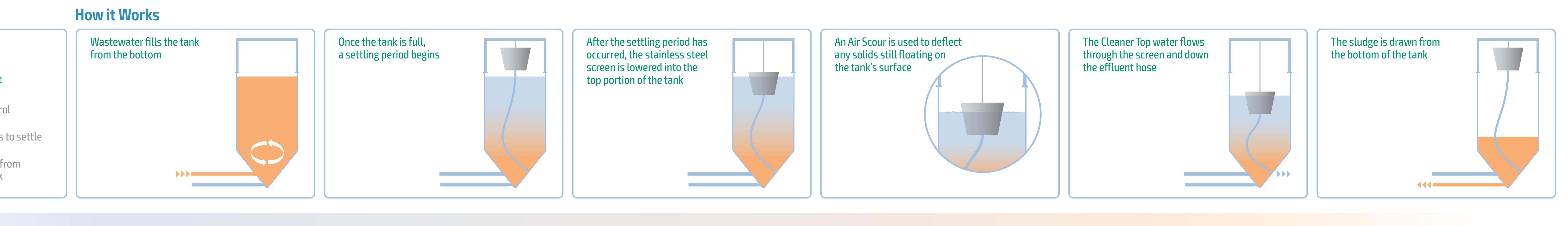


#### Treated water (effluent) exits the system and is stored in tanks for water reuse.

As a leading renewable energy (technology) company, we transform the economics of Food & Beverage and Municipal wastewater operations via unparalleled production of clean energy and water; significantly lowering energy consumption and greenhouse gases in the process.

## **WORLD BREWING CONGRESS 2016 ClearCove's Wastewater-Energy Technology** The Benefit of No Biology

Jason Fox & Alex Wright, Technology Solutions at ClearCove





## What is Our Key Point of Difference? The Benefit of No Biology

- The wastewater-energy market is biologically-reliant
- >ClearCove utilizes a unique physical/chemical process which significantly reduces/eliminates the need for problematic biology >Biological processes typically involve
- the management of troublesome microorganisms or bugs



- >Biological processes are:
- » Energy intensive
- » Operationally intensive
- » Inconsistent

dosing system.

- >By removing the reliance on biology, clients can:
- **V** Save time & hassle **V** Save energy
- **V** Save money

## **Technology Benefits**

- Reduces or removes organics-based municipal surcharges
- >Potential for up to 90% water reuse
- Increases overall facility capacity
- Less of everything: CapEx, OpEx, physical footprint, carbon footprint, stress
- No biology

## **World Brewing Congress**

August 13-17, 2016 **Sheraton Downtown Denver** Denver, CO 80202, U.S.A.

Screened decanters separate solids from the wastewater.

**ClearCapture™ tank removes the majority** of solids in the wastewater.

> Wastewater (influent) from the winery/brewery enters the system.

- Regulatory Compliance
- >Ability to create energy with harvested organic material
- Solids disposal rate reduction
- Seconomically friendly to community
- >Modular and expandable
- >We can reduce the water/beer ratio (gallons) to1to2to1

