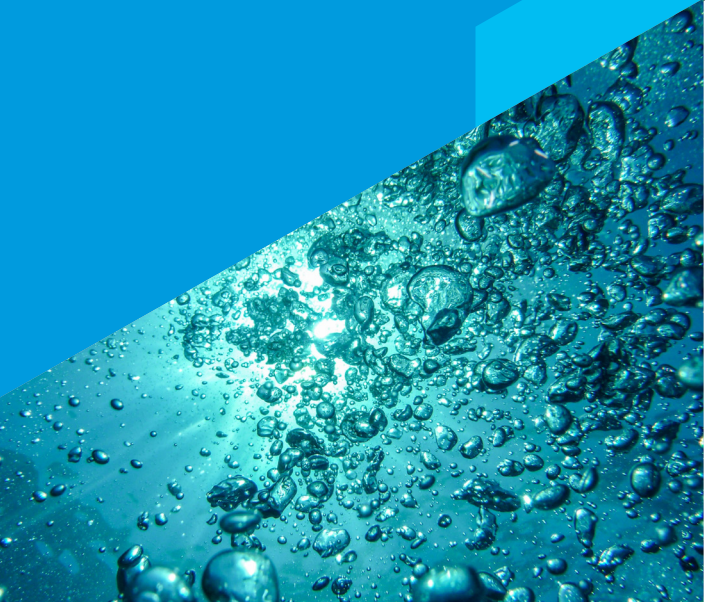
# Our Mission:

## Your Success

New Logic Research was founded to solve the world's most important separation challenges: yours. Whether it's concentrating raw manure to optimize your digester design, or separating the nutrients from the water in your digestate, VSEP® delivers results others can only dream of. But don't take our word for it, send us a sample and we'll prove it!

## About New Logic Research

In 1987, New Logic was founded by two guys in a garage. Today VSEP® systems operate in hundreds of facilities on six continents. The same entrepreneurial spirit that launched the company over thirty years ago permeates the New Logic of today, and our unrelenting customer focus means we're not happy unless our customers are.



# VSEP®

***an RO membrane system for farms and digesters that actually works!***

## Get in touch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# Manure concentration, digestate separation, & water reuse

Make it happen with VSEP®

NEW LOGIC RESEARCH, INC.

*What can*
**V✧SEP®**
*do for you?*

## Raw Manure

VSEP® can pull 50% of the water from raw manure, enabling you to feed more manure to your existing digester, or cut the size of a new digester in half.

## Digestate

VSEP® can separate your digestate into 75% clean water and 25% concentrated nutrients.

## Water Reuse

VSEP® can produce water clean enough for consumption, washdown, dust control or any other beneficial use. Turn 2,000 ppm of ammonia into 2 ppm, 3,000 ppm BOD to 10 ppm.

## Unlike Any Other Membrane System

Traditional spiral-wound RO membrane systems are really good at turning clean water into ultra-clean water, but digestate? Not so much. And raw manure? Truly laughable. Yet some still push this technology with the promise of results through elaborate pretreatment, and in the end they all fail to deliver.

In contrast, VSEP® systems use mechanical vibration to combat fouling, and the membrane filter packs are arranged with an open channel flow path that enables colloidal solids to easily exit the system rather than become trapped inside. As a result, you get the tight RO separation you desire with none of the elaborate pretreatment or operational headaches traditional RO systems are notorious for.

## Fully Automated for Trouble-Free Operation

VSEP® systems do not require a full-time operator. They even clean themselves automatically. Our software and hardware have thirty years of know-how built right in, and can anticipate many problems before they arise.

## A Lifetime of Support

New Logic provides free lifetime support to its customers via phone, email and web. Remote control troubleshooting is also available free of charge. Need a tech on-site? We can usually have someone there the next day.

# Next Steps

1. Contact a New Logic Sales engineer to discuss your needs.
2. Use our cost and performance estimates to determine high level feasibility.
3. Send a sample for testing or go directly to an on-site pilot test.

## Why Choose Us?

- VSEP® can solve your nitrogen and phosphorous challenges, and ensure you have the right mix of nutrients going back to the land.
- VSEP® is the only RO system that can handle raw manure and digestate with no pretreatment beyond mechanical screening.
- New Logic is a 30-year-old company dedicated to solving the world's toughest separation applications.
- New Logic's "customer first" ethos means help is always just a call or click away.