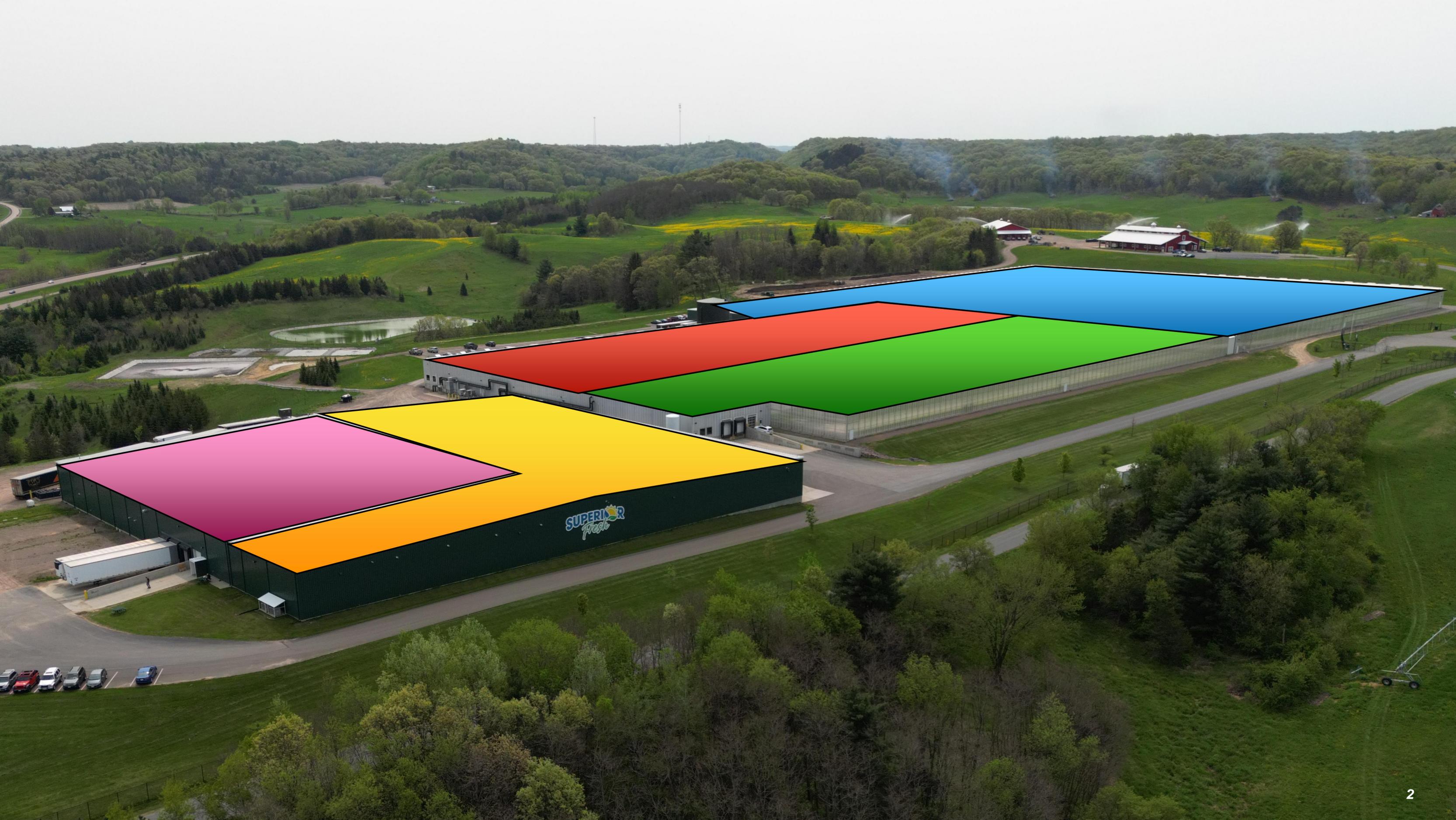
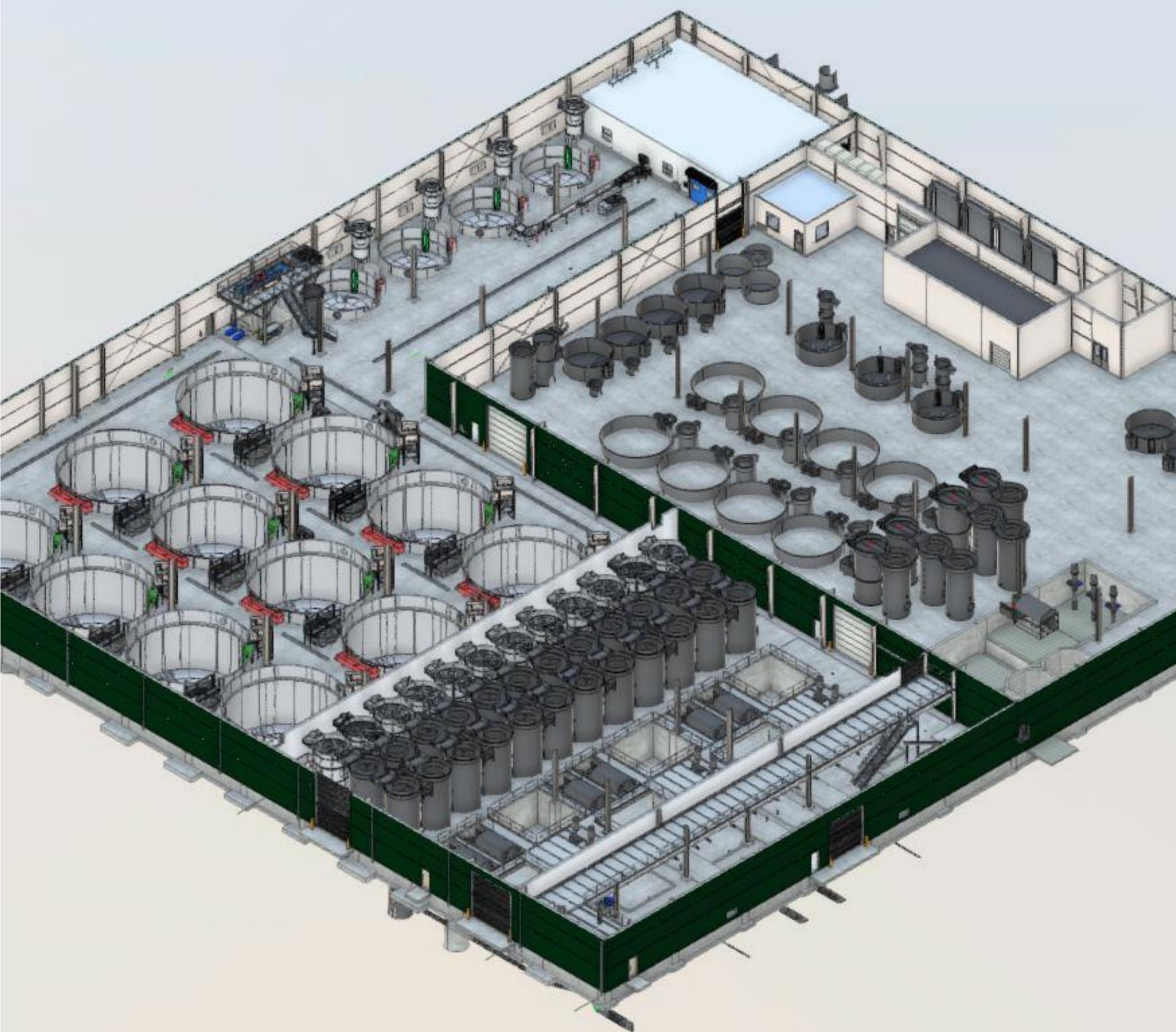




SUPERIOR
Fresh





Wisconsin RAS Approach

- **De-Coupled System & Operation**
 - Proven RAS (FWI)
 - Proven Hydroponics Technology (NL)
- **Focus on Water Management**
- **Minimize Risk to Plants & Fish**
- **Optimize Environment for Both**
 - Environment
 - Water Quality



Wisconsin RAS Technology

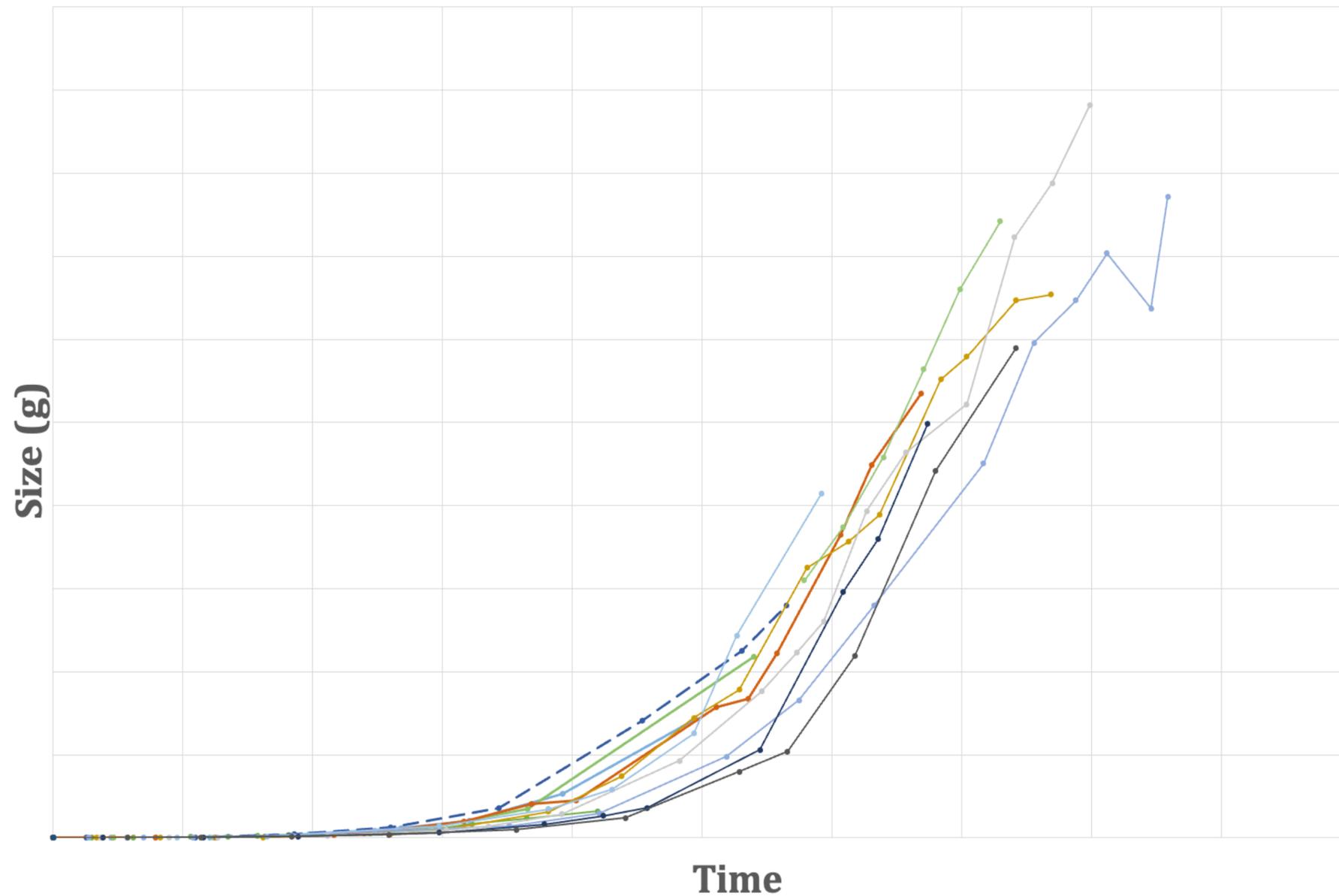
- **Never missed a harvest**
- **Exceeding production**
- **Internal Design**
 - Dr. Steve Summerfelt as Lead Engineer, CSO
- **99.9% Freshwater Recycle System**
 - 500 m³ Tanks, 6.1 m depth
 - Radial Flow Settlers
 - Ozone
 - CO₂ & LHO
 - Drum Filters



Wisconsin RAS Technology

- **Single-Pump Systems – 53,000 l/m**
- **Fluidized Sand Bio-Filtration**
 - 24 – 5.5m tall, 2.4m dia
- **Custom SCADA**
- **Redundancy**
- **Water treatment**

Salmon Growth Curves



Wisconsin RAS Performance

- Average 450g in Growout
- 100 kg/m³
- Strict Bio-Security
- No Pathogens - No Antibiotics, Pesticides, etc.
- Freshwater Wells





Wisconsin Salmon Performance

Feed Conversion <i>(Biological)</i>	1.1:1
Finishing Loss	2-3% of weight
Female Maturation	Less than 5%
HOG Yield	89%
SalmoFan Average Color	26
Heavy Metals	Lower than LOQ
Geosmin (tissue)	<150 ng/kg – RAS <100 ng/kg – Purge
Omega-3 Fatty Acids <i>(Per 100g fillet)</i>	2,140 mg DHA & EPA 5:1 Ratio of Omega 3:6



Successes in the Market

- **Food is Medicine**
 - Premium Price Point
 - Organic Diet
 - American Heart Check
 - Raised in the USA
 - Salmon Welfare & Non-GMO Certification
 - BAP
 - Seafood Watch Green-Ranking



Wisconsin RAS Bio-product

- **Waste Water Treatment vs. Greenhouse**
 - Social Acceptance
- **Simple Wisconsin Permits**
- **Simple Irrigation**
 - Limited Makeup Water
 - No NaCl
- **“By-Product” is 30-day Cashflow**



Greenhouse as a Solution

- **Solution to High CapX & OpX Wastewater Treatment**
- **Leafy Greens are in the Top 3 Most Consumed Vegetable in the US**
- **Solving Another Problem**



Wisconsin Greenhouse Technology

- **Technology Allows us to Grow Vegetables Anywhere**
- **Technology Overview**
- **Deep Water Culture System**
- **LED Grow Lights**



Vertical Growing

- Fully Automated Vertical Systems
- Healthy Start
- Space Optimization
- Yields Optimization



Greenhouse Production

- **Yields to Production**
 - 30k x Baby Greens & Head Lettuce
- **Internal Process & Handling**
- **Dozens of Varieties & Blends**
 - Retail
 - Foodservice



Product Assortment

Salmon Retail Items

- Fresh
- Frozen
- Smoked
- Value add

Leafy Green Items

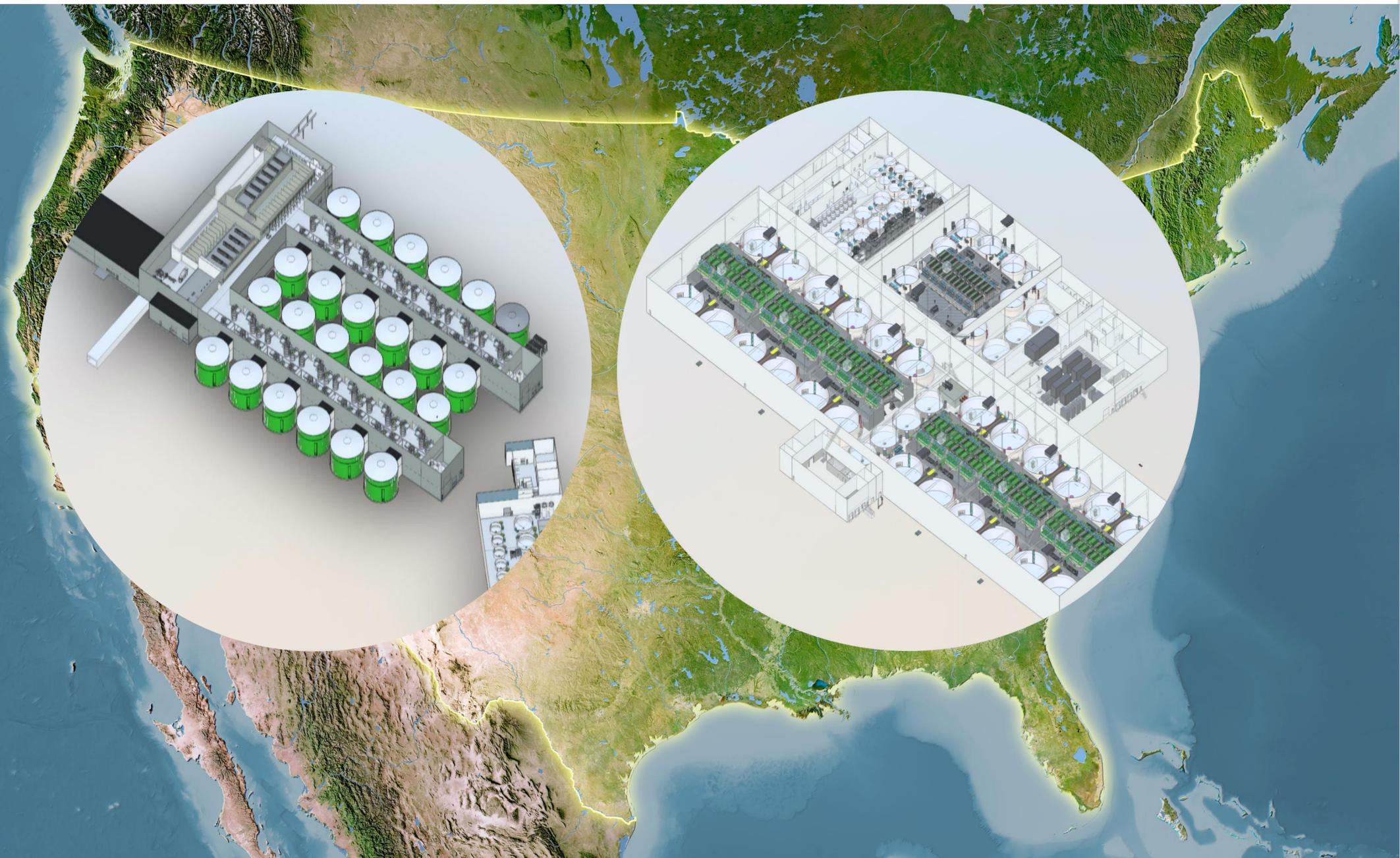
- Bulk – Food Service
- Pesto
- Retail Trays – 4 oz
- Retail Bags and Kits





Regenerative Agriculture

- **800 Acres of Restoration**
- **Regenerative Agriculture Reimagined™**
- **Compost, Irrigation, Soil Improvement**
- **Additional Revenue Streams from Bi-Products**



Future Plans
Thank you!

