

**IndustrialTM
Plankton**

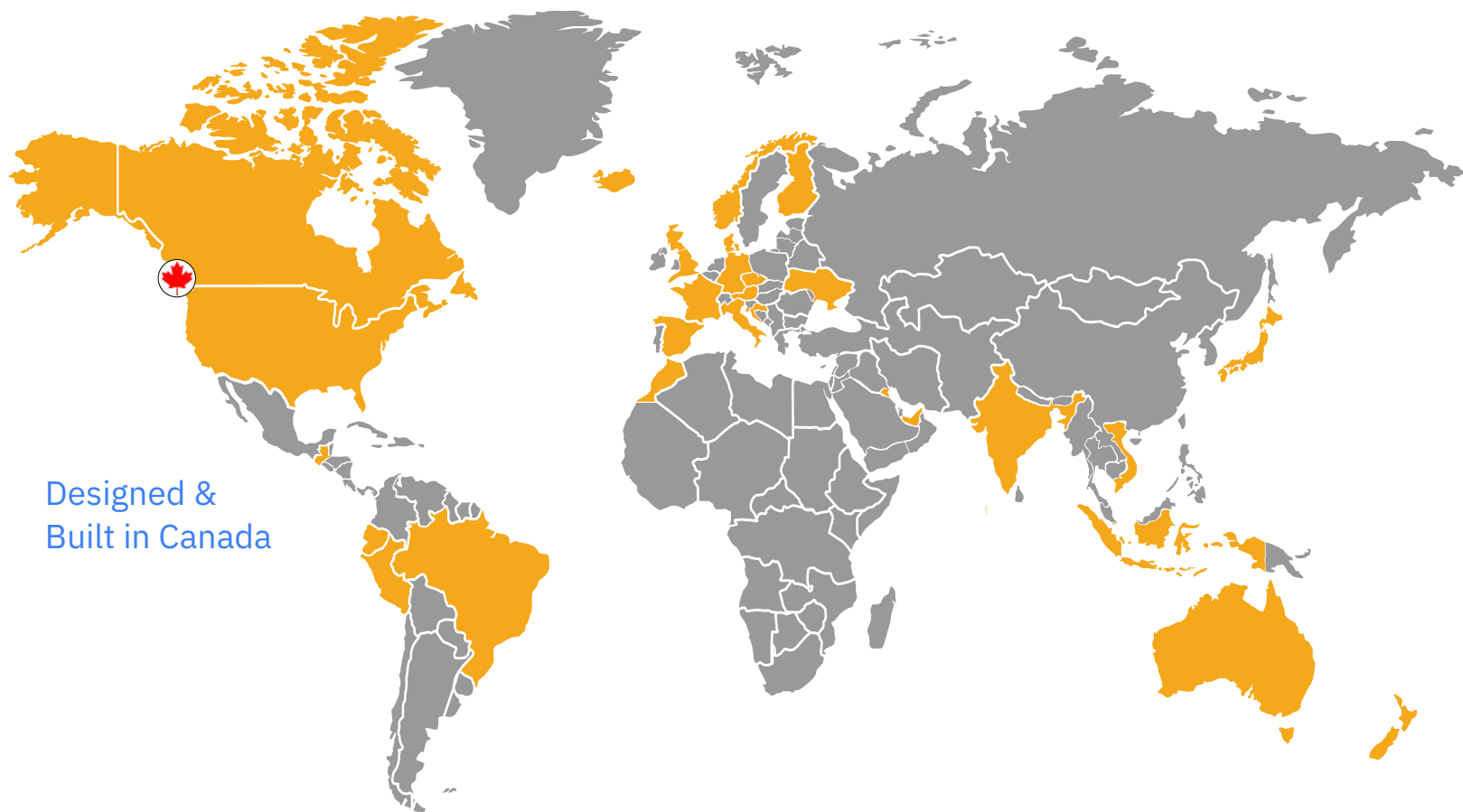
Live Algae Culture Equipment



www.industrialplankton.com

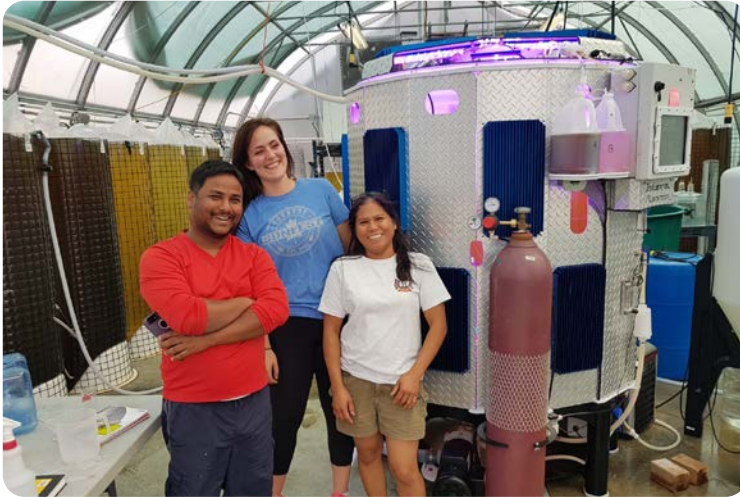
Global Reach

Over **200** algae bioreactors used
by clients across **31 countries**.



Designed &
Built in Canada

Biosecure Algae Cultures for Hatcheries



Reliably producing enough biosecure live **algae is a bottleneck** for many hatcheries. The algae must be good quality - highly nutritious with low pathogen levels.

Traditional algae production is unreliable, labor intensive, and uses significant floorspace.



Algae Production Made Easy

Our algae equipment creates a stable biosecure culture environment, making it easy to **consistently** and **continuously** produce enough live feed to meet hatchery needs.

Routine tasks like cleaning, harvesting, and media addition are automated which makes life easier for hatchery staff, while **increasing reliability** and reducing operating expenses.

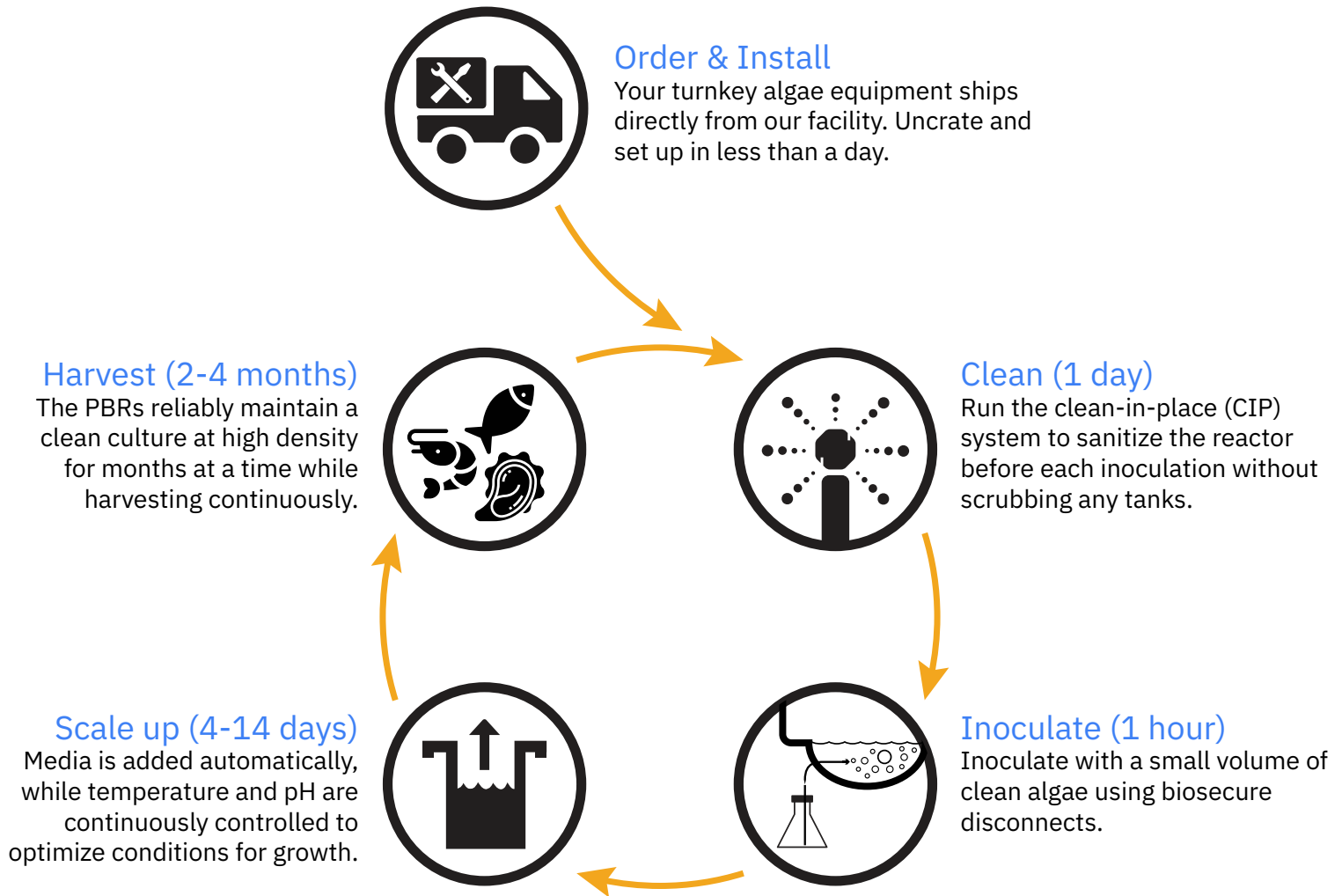


Compact Algae Culture

Compared to traditional methods, Industrial Plankton's PBRs **only require a fraction of the labor, water, and floorspace.**



Five easy steps for reliable, biosecure live algae:

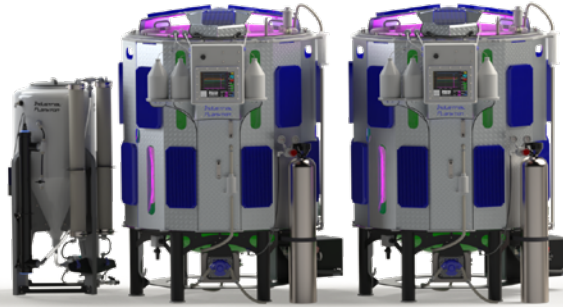


Our Photobioreactors



PBR 1250L

Daily Harvest: 100-500 L/day



PBR 2500L

Daily Harvest: 200-1000 L/day



PBR 100L

Daily Harvest: 10-50 L/day

Continuous Production Densities (million cells/mL)

- | | | | |
|----------|-------------------------------|-----------|----------------------------------|
| • 10-20 | <i>Isochrysis</i> spp. | • 11-26 | <i>Thalassiosira pseudonana</i> |
| • 15-26 | <i>Chaetoceros calcitrans</i> | • 0.9-3.5 | <i>Thalassiosira weissflogii</i> |
| • 10-25 | <i>Chaetoceros muelleri</i> | • 1.2-4.0 | <i>Tetraselmis</i> spp. |
| • 60-150 | <i>Nannochloropsis</i> spp. | • 1.5-3.0 | <i>Rhodomonas salina</i> |

More algae that thrive

Chaetoceros spp. • *Phaeodactylum* spp. • *Pavlova* spp. • *Skeletonema* spp. • *Karenia brevis*
Haematococcus pluvialis • *Spirulina* spp. • *Chlamydomonas* spp. • *Chlorella* spp. • *Cyanobacteria*

Features



Biosecure Algae Cultures



LEDs Designed for Algae



Real-time Graphing and Data Logging



Integrated Cooling and Heating



Closed-Loop pH Control



Self Cleaning CIP System



Automated Scale-Up and Harvest



Remote Access

Clients

Some of our clients prefer not to be named, but here are a few who aren't camera shy.



NOAA Fisheries Milford Lab



Huîtres Mallet Oysters



Vitapro-Nicovita



Cornell Cooperative Extension of
Suffolk County Marine Program



Homegrown Shrimp (USA)



Molluscan Broodstock Program (OSU)



Nova Harvest Ltd.



Island Sea Farms Inc.



Shrimp Improvement Systems



Ferry Cove Shellfish

Global Innovation From Canada

Bioreactors for clean, on-site,
live algae production

Founded in 2010, Industrial Plankton Inc. designs and manufactures **turnkey bioreactors** in Canada for clean, on-site, live plankton production for **aquaculture**, **research lab**, and **biotechnology** uses.

Our algae bioreactors optimize for ease of use and **biosecurity**. Their automation increases culture **reliability** and saves operators countless hours. The result is **compact** equipment that **reliably** produces **biosecure**, **high-density algae**.



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