ALCHEMY
BIG POOPER!!!
Mission Statement

To produce premium marine seafood in a sustainable manner to meet the world’s need for protein.
Premium Fish

Acadia Harvest Inc.
Land-based aquaculture

Artist’s representation of an RAS production plant

Planned site for factory at Corea, Maine
Management Team

Chris Heinig, President
- Marine biologist, 40 years experience
- Environmental monitoring entrepreneur

Tap Pryor, Chief Scientist
- Marine biologist, 60 years experience
- Sea Life Park, Oceanic Institute, NOAA

Ed Robinson, CEO/Chairman
- 32 years of life sciences - aquaculture, pharmaceuticals, and biotechnology
Focus Species

California yellowtail (*Seriola lalandi*)
- rising demand in Asian restaurants (sushi, sashimi)
- mostly cage cultured offshore Japan, red labeled
- strong demand for fresh Maine product
- global market 180,000 m.t., >$1.5 billion sales
Focus Species

Black Sea Bass *(Centropristis striata)*
- “Ideal plate size fish,” similar to grouper
- No commercial production today
- 2013 harvest 2 million lb., $8.5 million value (NOAA)
Customer Feedback

- Great taste
- Smooth texture
- Ultra fresh
- Traceable
- Reliable shipments
Multi-Species Aquaculture
Why?

- capital, energy
- product costs
- sales and profits
12,000 Tons of Waste

Processing wastes:

• Fish
• Lobsters
• Shellfish
• Squid
++ Human food waste
Forage Fish in Crisis
From Waste to Feed...
Milestones

• Raised fish, sand worms, algae and oysters in closed system
• Sold 3,000 yellowtail, 650 black sea bass
• $155K financing from MTI and CEI
• $2.2 mil. SBIR/STTR grants from NSF
• $230K in private equity
• Optioned 6.8 acres in Corea, ME with 43,000 sq. ft. building
• $367K Maine Technology Asset Fund grant
Leadership is Everything

- Experience >$100 million
- 200 years in aquaculture
- Investment and new jobs for social impact
Partnerships

- The University of Maine
- CEI Coastal Enterprises Inc.
- Maine Technology Institute
- National Science Foundation

Acadia Harvest Inc.
Development Plan

• 2015 – Performance
  • Sell 2,000 yellowtail
  • Grow 225 black sea bass
  • NSF Phase Ib feed trials
  • NSF Phase II IMTA set up

• 2015 - 2017 – Commercial scale
  • Execute NSF Phase II aquafeeds project
  • Design Corea production facility, secure permits
  • Finance $8.0 million for Corea project

• 2017 - 2018 – Expansion, partnering, licensing
Together...
Thank You