

Integrating the Algae Process for Producers

National Algae Association 28 March 2011

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Algae Industry Beginning to Mature



q Deal Flow:

- **q** Dec 2010: Martek sold to DSM for \$1B all cash.
- Mar 2011: Solazyme announces \$100MM IPO.
- **q** Proving Up:
 - **q** Solazyme: 80,000 liters of fuel to USN in 2010, commitments for ½ million more.
 - **MBD** Energy launches one-hectare flue-gas fed demonstration project in Australia.
 - **v** VG Energy's algal biofuels announces potential price parity with oil.

q Commercialization:

- **q** Martek's life'sDHA[™] and life'sARA[™] found in 99% percent of U.S. infant formulas.
- **q** Successful testing of Solazyme's Soladiesel[™] and Solajet[™], as well as Algenist[™].

Just a few examples of a maturing industry.

Customer Demand for Integrated Vendors



- **q** OriginOil has learned from its producer customers, MBD Energy (Australia) and Genesis Ventures (Mexico): minimize the vendors.
- **q** Benefits:
 - q Maximized efficiency
 - q Centralized responsibility
 - **q** Better pricing leverage

"One vendor would be best."

A BREAKTHROUGH TECHNOLOGY TO TRANSFORM ALGAE INTO OIL

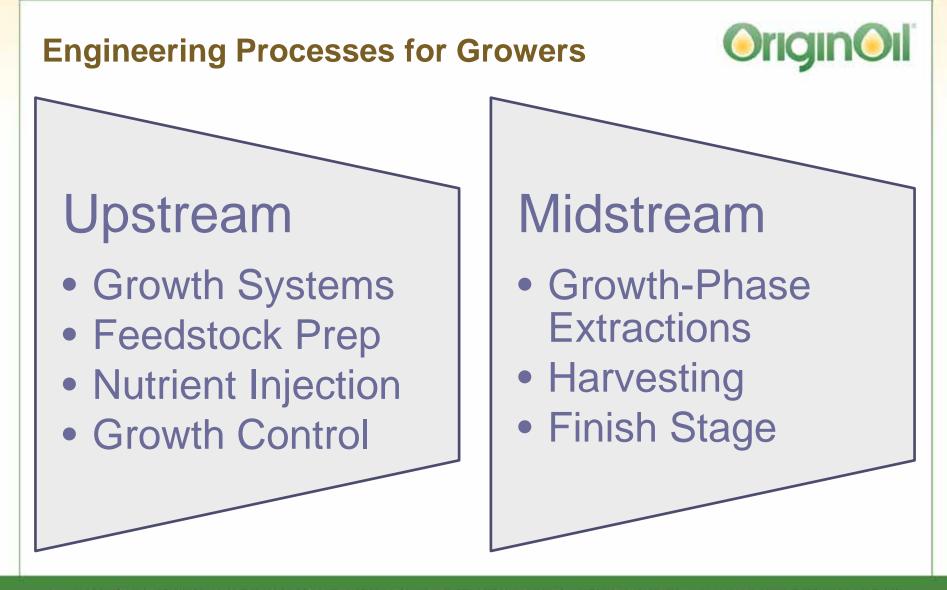


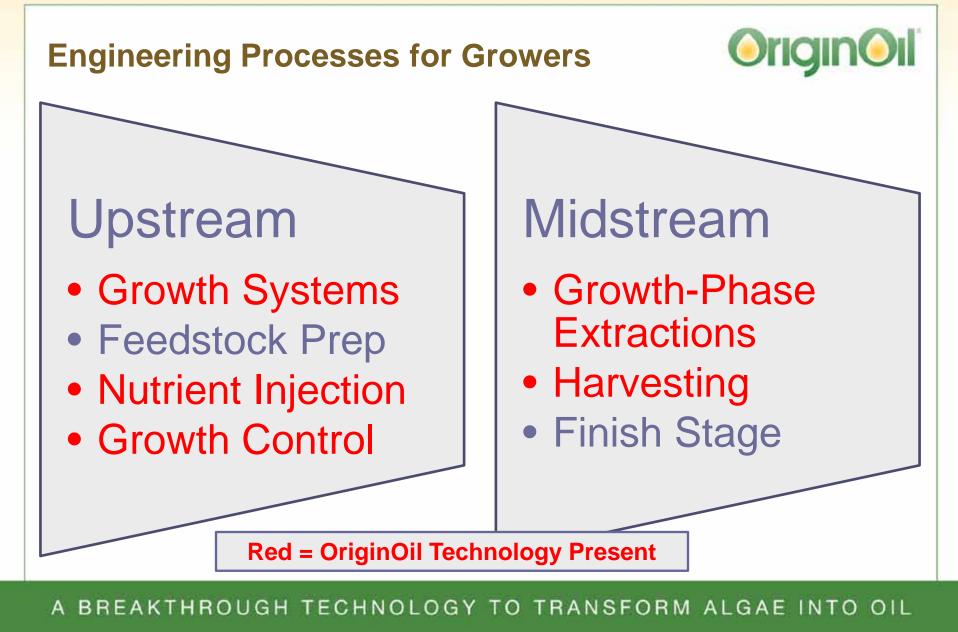
Industrialized Algae

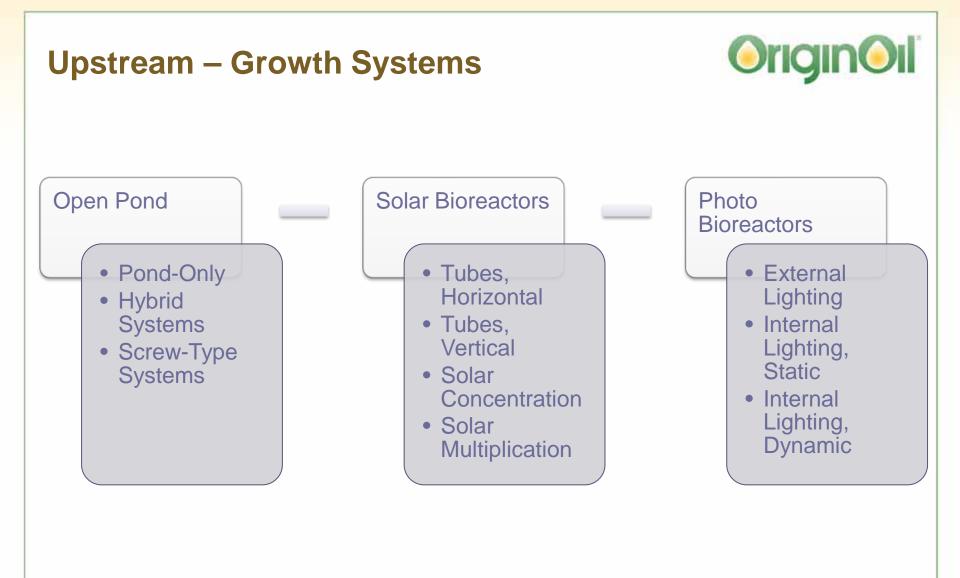
THE ENGINEERING LINEUP

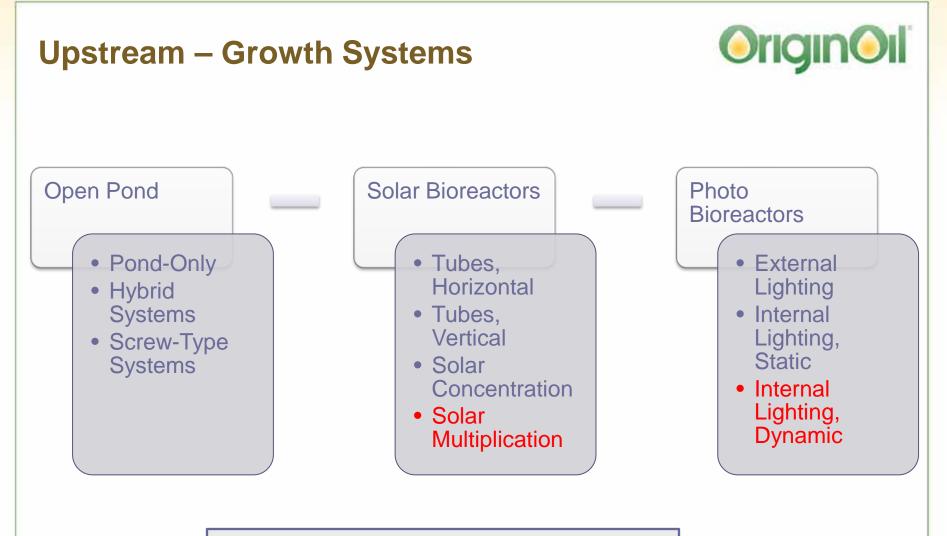
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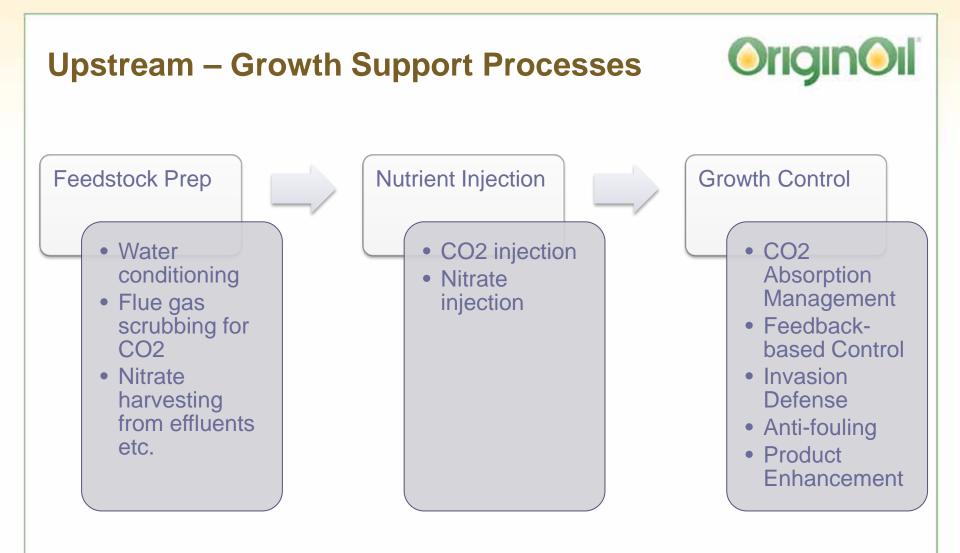


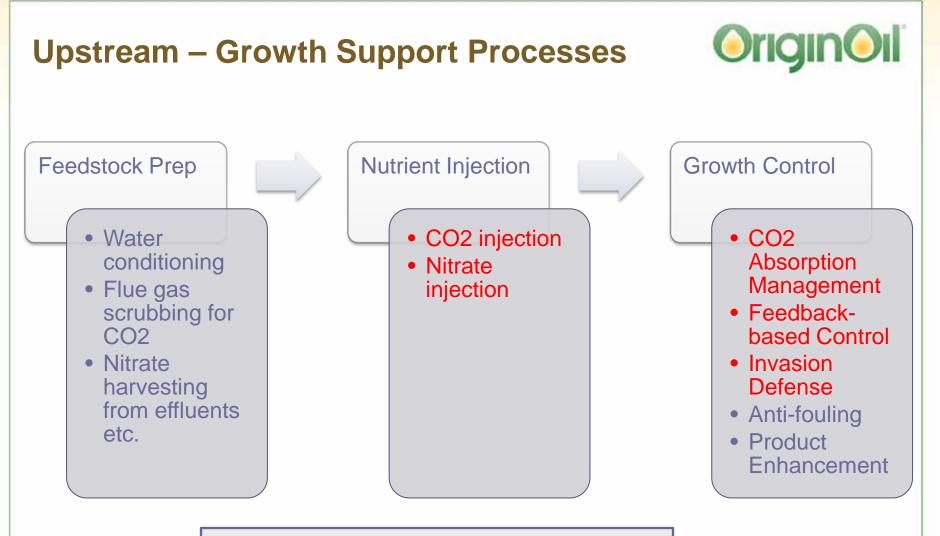




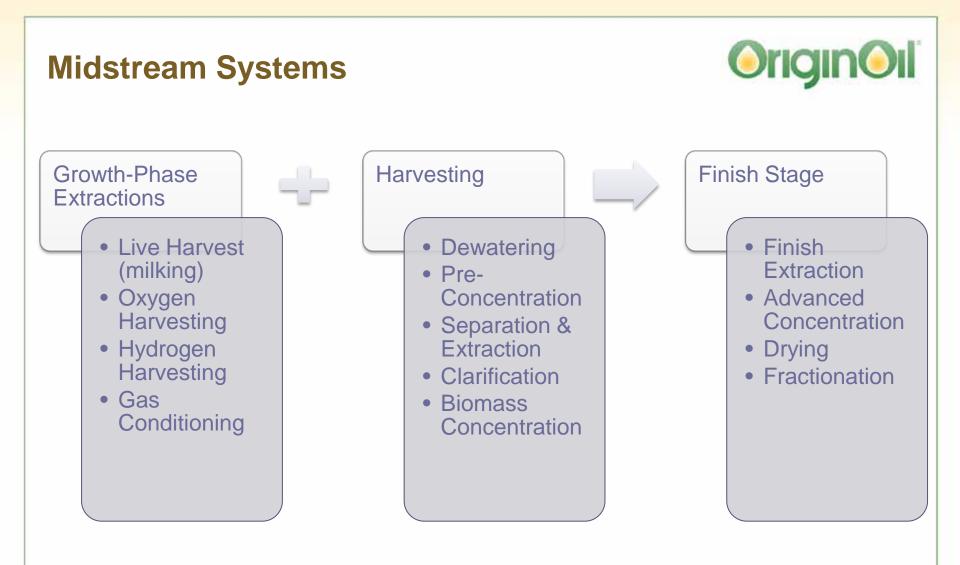


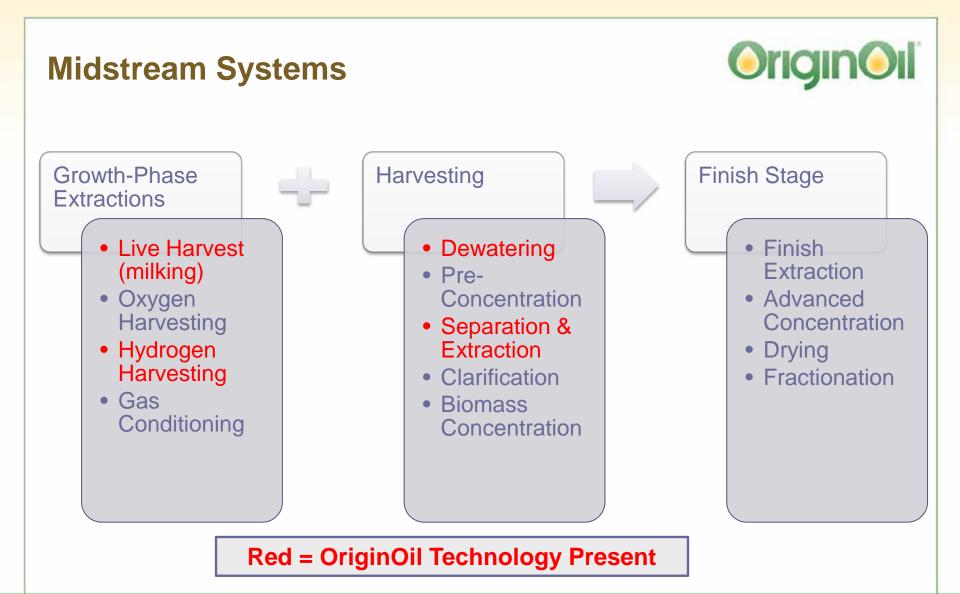
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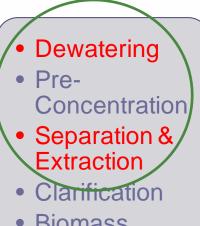


OriginOil's Integration Plan

- **q** Don't build solutions where they already exist.
- **q** Start with the most obvious integration steps.
 - **q** Example:
 - **§** Pre-Concentration a natural integration target.
 - S OriginOil is in discussions to integrate this process.
- **q** Implement support services for direct clients:
 - **q** project management.
 - **q** Integration (solution provider).
 - **q** Remote support.
 - **q** Recruit field service organizations.

Plan: 'Radiate Outward' from technology strengths.

OriginOil



Biomass
Concentration

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Types of Deals

OriginOil

- **q** Product Alliances
- **q** Mutual Integration
- **q** Joint Ventures (research, development, distribution)
- **q** Private Labeling
- **q** In-Licensing
- **q** Acquisition

OriginOil has a liquid and stable corporate platform for acquisitions.

Out-Licensing



- **q** OriginOil will consider out-licensing non-core technology, while retaining a non-exclusive license for its direct customers.
- **q** Benefits:
 - **q** Technology will move faster in specialized hands.
 - **q** The non-core technology will still be available to OriginOil customers.
 - **q** OriginOil's focus will remain solidly on core technology.

OriginOil team now has licensing competency (Paul Reep).

Two-Stage Commercial Model Retained



- **q** Immediate integration will assure scale-up success with Strategic Partners.
- **q** OriginOil will continue to pursue OEM and Licensing relationships for its proven and scaled-up technology.



The Best of Breed Algae System



- **q** Collaborating on a complete algae production process will ensure:
 - **q** Development of a 'Best-Of-Breed' algae production system.
 - **q** Long-term strong ties for all vendors on the value chain.
 - **q** OriginOil's embedded presence in as many systems as possible, worldwide.

By helping others shine, OriginOil will remain relevant with customers.

Interested? Collaborate with us!



- **q** Executive Team:
 - q Paul Reep, Sr. VP of Technology
 - q Scott Fraser, VP Operations
- **q** Deal Team:
 - q Chris Beaven, Sr. Dir. Bus. Dev & Public Affairs
 - q Bill Charneski, Sr. Product Manager
- **q** Contact:
 - **q** Email: <u>partners@originoil.com</u>.
 - **q** Website: Sign up as a <u>partner</u>.



THANK YOU!

Riggs Eckelberry CEO, OriginOil, Inc.

QUESTIONS?

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