



A BREAKTHROUGH TECHNOLOGY TO EXTRACT OIL FROM ALGAE

OriginOil has overcome the major challenge of extracting oil from algae with a field-proven, next-generation harvesting technology that dramatically cuts capital and energy costs. The Company is now commercializing this high-volume, chemical-free process with orders booked in 2011 reaching \$1 million.

OriginOil also offers an array of process innovations for the entire spectrum of algae production, just as pioneers like Schlumberger, Halliburton and Baker Hughes have done in the oilfield services industry. Beyond a select number of marquee customers, OriginOil plans to embed its technology into existing algae growing facilities so that sites around the world are "Powered by OriginOil."

Recently, the company received its first institutional funding and completed a reverse split of its shares, as part of its plan to upgrade to a senior U.S. exchange.

OTC/BB: OOIL - www.originoil.com

Recent Stock Price (01/13/12)	\$1.85
52-Week Range	\$1.53 - \$8.10
Market Capitalization	\$14.05 mil
Shares Outstanding	7.6 mil
Fiscal Year-End	Dec. 31



Info available through S&P Capital IQ's Market Access

INVESTMENT HIGHLIGHTS

- Focused on algae, the third-generation biofuel with multiple and important advantages over all earlier generation feedstocks.
- First-to-market with proprietary technologies that overcome the critical water-extraction and technology integration hurdles in industrial algae production.
- Pursuing an efficient business model for technology commercialization with low capital requirements and multiple partnership and licensing opportunities.
- Helping to define and meet standards for a blendable feedstock for algae biofuel production.
- Booking initial revenue from large-scale algae production for carbon capture, while planning further inroads into waste water and petrochemical applications.
- Transitioning to commercialization with first large-scale installation with MBD Energy; achieved first revenue in 2010 and passed \$1 million in booked orders for 2011.
- Technology covered by extensive and expanding IP portfolio.

MARKET OPPORTUNITIES

Using algae for biofuel production has multiple advantages over all earlier generation feedstocks, including:

- Not a food crop.
- Requires minimal land.
- Uses waste, brackish or salt water.
- Purifies water (nitrates, drugs, salts).
- Massive rates of CO₂ absorption.
- Large-scale generation of oxygen (and hydrogen).
- Rapid harvests permit industrial-scale production.

Carbon Capture: Algae production costs are offset by remediation fees, including water pollutants in waste water and CO₂ emissions from factories, power plants, etc. Carbon regulation and taxation in Europe, Japan, Australia and elsewhere are driving adoption of Carbon Capture and Storage (CCS). Geo-CCS is a multi-billion dollar industry, but is very expensive and ineffective. Algae is a faster, cheaper and more ecological alternative.

Biofuel Production: Environmental concerns and volatile crude oil processes are driving industry growth.

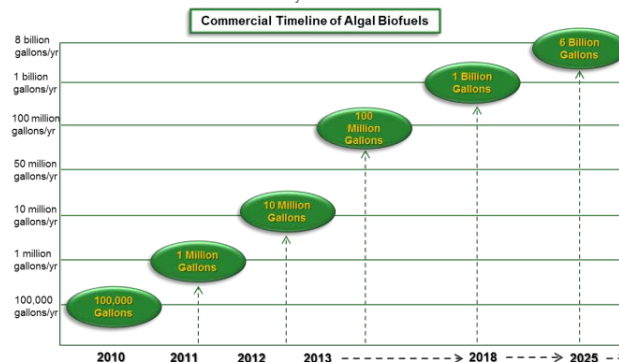
- Algae market forecast to reach \$1.6 billion by 2015.
- Emerging production technologies such as OriginOil's are expected to comprise 1/3 of the market by 2015.
- This forecast points to a market of 500 million gallons for production technologies such as OriginOil's by 2015.

Source: Algae Biofuels Report

Algae to Dominate Renewable Chemicals: 90% of crude oil goes into fuel, but 40% of the profits come from petrochemicals. Algae is the only renewable feedstock that can scale realistically to compete with petroleum.

Algal Biofuels: An Engine of Growth

- The world biofuels market is expected to grow at a CAGR of 12%+ until 2017.
- \$105.4 billion in forecasted annual revenue by 2018.



Sources: Algae 2020, Emerging Markets online Consulting Services, Biofuel Digest

PARTNERSHIP-DRIVEN BUSINESS MODEL

OriginOil is an in-process technology provider rather than an end-product producer. As such the Company is pursuing multiple strategic partnerships and OEM/licensing agreements with distributors, manufacturers, engineering services firms and specialty operators. This strategy offers a host of potential advantages, including:

- Limited capital requirements.
- Avoidance of costs for volume manufacturing and time for building distribution channels.
- Ability to collaborate with multiple major players instead of competing with them.
- Diversified revenue streams (large customer sales now, blending into licensing annuities).

ALGAE CRUDE EXTRACTION TECHNOLOGY

OriginOil has the solution to the industry's foremost technology challenge – extracting the oil in algae from the water in a one-step, cost-effective process.

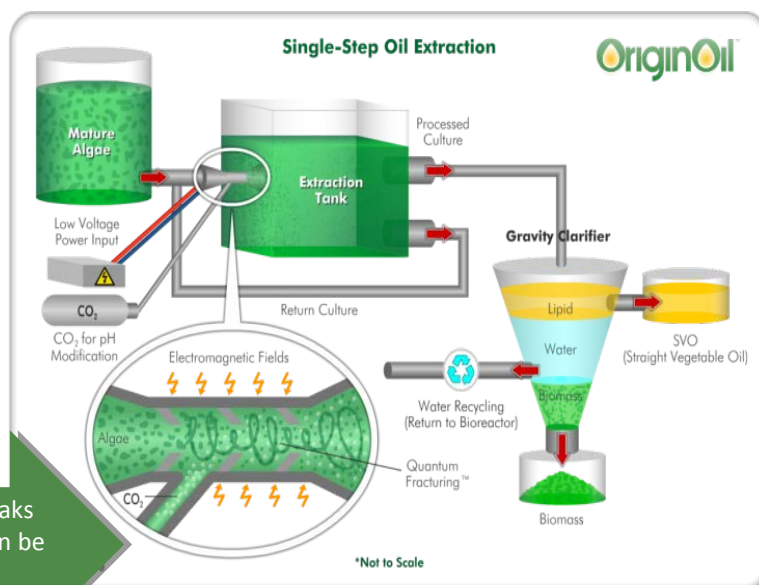
The Company's patent application filings include:

First filing: Single-Step Extraction™ (4/17/09) -- A revolutionary simplification of the algae harvesting process.

Supporting filings: Live Extraction™ (8/13/10), Extracting Non-Polar Lipids (10/19/10), Dewatering System (10/17/10), SCADA (Supervisory Control and Data Acquisition) (8/4/11).

Non-core IP is being managed for future algae oil services business.

In one step, the system dewateres the algae and breaks down cell walls. After concentration, algae crude can be further processed for valuable products.



KEY RESEARCH AND COMMERCIAL PARTNERSHIPS



Department of Energy – Idaho National Laboratory CRADA (2/09). An unprecedented Energy Balance Model unveiled at the NAA conference (9/09). **Status:** Phase 1 complete, Phase 2 and Phase 3 currently under design. **OriginOil is collaborating with the DOE to develop standards for converting biomass, including algae, into biofuels and other products.**



Desmet Ballestra N.V. (Belgium), an international leader in the manufacture and distribution of oil and fat processing equipment. **Status:** Operating under a signed Memorandum of Understanding for Desmet to manufacture and distribute OriginOil's components and systems in its 26 markets worldwide.



MBD Energy Limited (Australia). OriginOil is supplying MBD Energy with its Quantum Fracturing and Single Step Extraction systems under a multi-phase commercialization program. MBD has begun serving its 3 carbon capture power station projects. **Status:** Research phase complete under multi-year master agreement. **MBD is now provisioning its first power plant project with OriginOil as an embedded strategic partner.**

FINANCIAL OVERVIEW

OriginOil raised \$1.7 million in 2007 as a private company through founders, seed investors and pre-IPO investors, and from 2008 through 2011 raised \$8.8 million as a public company through private placements, private stock purchases and its first institutional PIPE in 2011.

On 8/11/11 the Company completed a 1:30 reverse stock split. For the 6 months ended 6/30/11 OriginOil posted revenue of \$142,500, a net loss of \$1.7 million and used \$1.2 million of cash to fund operations.

PLANNING FOR NEXT 12 MONTHS

OriginOil intends to transition to full commercialization over the coming 12 months. The Company's plans include:

- Standardizing product offering.
- Completing shipment of \$1 million order backlog.
- Integrating OriginOil technology with process partners.
- Continuing to bolster IP and advance science.
- Adding three or more direct customers.
- Adding two or more distribution partners.
- Continuing process of up-listing the trading of its common stock to a senior U.S. exchange.

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