

OTCBB: GGRN

Cusip: 37947A
SEC CIK: 0001277576

Incorporated: State of Nevada, USA,
Date of incorporation: 2006
Fiscal year end: 30th November

Capital Structure

as of 01st November 2009

Issued and outstanding: **45,548,599**

Total warrants and options

Issued but not exercised: **8,285,295**

Estimated issuable on conversion of
all convertible notes:

20,000,000

Fully diluted share capital

Total of above: **73,833,894**

Board of Directors**Elden Schorn**

Chairman

Robert Baker

Corporate Secretary

Doug Frater

President and Chief Executive Officer

Officers**Craig Harting**

Chief Operating Officer

Arnold Hughes

Chief Financial Officer

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Company Profile

Global Green Solutions Inc. *fuelling ecotechnology innovation*

Global Green Solutions Inc. (GGRN), with operations in North America, Europe, and South Africa, develops and implements biomass-derived ecotechnology solutions for renewable energy generation.



GGRN is currently developing two, innovative biomass to energy technologies;

- **Greensteam;** a commercial-stage, high-efficiency combustion system that generates industrial steam and electrical power from waste biomass, and;
- **Global Green Algae;** a development-stage, closed loop-continuous-process algae photo-bioreactor growing system that produces algae biomass from which oil can be extracted as a biofuel feedstock.

GGRN's technologies are well-positioned in today's energy market due to the strong and immediate need for renewable energy solutions that are economical and sustainable. GGRN's ecotechnology solutions directly address:

- Greenhouse gas emissions reduction.
- Energy security.
- Fuel costs.
- Electrical power availability.
- Disposal of waste biomass.

GGRN's business model is to license the technology & develop and operate projects directly or with strategic partners. The Greensteam and Vertigro operations are separately resourced and funded businesses.

Greensteam

Waste biomass to energy



GGRN developed the high thermal efficiency, low air emissions Greensteam technology to economically generate steam from waste biomass. The steam is utilized for industrial processes and electrical power co-generation.

Greensteam technology advantages

The technology is specifically designed and proven for;

- High energy conversion efficiency - waste biomass to steam.
- Generates steam at up to 30% less cost than fossil fuels.
- Ultra-low NO_x emissions meet stringent permitting standards.
- Ability to combust a variety of forest, agricultural and animal residues.
- Delivers high operational reliability.



The Greensteam business model is to build, own and operate with local strategic partners. Steam and or electrical energy are sold under long-term offtake contracts.

With its innovative technology and customer value-focused business model, Greensteam has generated global interest. The first Greensteam contract was secured in 2008 with Aera Energy LLC a Shell/ExxonMobil joint venture and one of the largest oil and gas producers in California.

Global Green Algae

Algae biomass to biofuels & co-products

The oil yield from microalgae exceeds the best producing oil crops by a factor of 10-30 times depending on the algae cultivation technology and process employed. Microalgae are photosynthesis micro organisms which convert sunlight, water and CO₂ to sugars from which macromolecules, such as lipids and triacylglycerols can be obtained.

The residual biomass after extraction of the algal oil contains chemical elements which are suitable for applications in animal feed, agriculture, specialty chemicals, cosmetics, nutraceutical and pharmaceutical products.



Stage 1 R&D program

GGRN invested in a two-year Stage 1 R&D program including building an R&D facility to carry out algae bioscience research and in the development and testing of algae photobioreactor growing processes. The Stage 1 R&D program delivered valuable algae growing process experience, knowledge-and-know-how which will be taken forward to the Stage 2 R&D program.

Stage 2 R&D program

The Stage 2 R&D program will be focused on the algae growing process economic and operational sustainability issues. This will require an integrated program of Algae transgenic technology and physiology & advanced process and materials engineering. GGRN is currently in negotiations with a number of interested collaborative and complimentary strategic partners in North America and Europe regarding the Stage 2 R&D program. GGRN and its partners are also engaged in funding the Stage 2 R&D program through private equity participation and government grants and loans.