

Aug 24, 2019

GC Green Carbon OVERVIEW

ReductionTech produces a stream of hydroxyl, a safe, ancient naturally occurring GHG and pollutant destroyer, which will help reverse climate damages in the environment. This public good will empower municipalities and citizens to double their GHG footprint reduction and give clean air very efficiently. This FDA approved silver bullet and strategy is part of a global effort to remove GHGs from the air because this is the only way humanity will avoid more damages and fatal risks.

The technology has a good profit model using the carbon offsetting market where a CO₂e is worth \$25/T or more, and presently in BC the value is \$40/T.

GC Green Carbon Inc and its Kamloops- Vancouver partners have been researching and reducing the technical risk in the GHG market for 9 years with its patentable smart ceramic destruction system. Offsetters provided the team a positive feasibility study on the carbon market model, and the founder has deep domain expertise on hydroxyl radical science and a verified production record.

PROBLEM Humanity is experiencing the loss of habitat and biodiversity because of an abrupt and accelerating climate shift and urgently needs to remove as much greenhouse gas from the atmosphere as possible to reduce death, disability and damages directly caused by climate pollutants. Humanity must remove GHGs from the atmosphere to avoid its own extinction from rapid warming and Methane overloading due to natural hydroxyl system inundation by several orders of magnitude.

SOLUTION we provide a large globally scalable boost to the hydroxyl levels by controlled dispersal which will remove and reduce pollution and GHG overheating, saving lives, property, atmospheric stability and cropland with a temperature reduction potential of 2.1'C plus emergency climate pollutant removal like the present uncontrollable/accelerating methane buildup.

BENEFITS

- Affordable community based infrastructure that manages all AQ and Climate pollutants
- Habitat preservation, both local and global
- Intervenes in the climate damages-infrastructure inundation cycle
- Improves human health by reducing AQ related sickness to below 1 in 5 people

TECHNOLOGY 1200 ceramic tubes will produce 8 tonnes of hydroxyl per day with single units available to place near busy streets and form a regional bulk dispersion facility. Air is fed into the tubes and made pristine, while oxygen crosses the membrane and then forms hydroxyl (OH) with water. Heat and catalysis is applied in a patentable configuration to prevent Oxygen recombination and make hydroxyl. Hydroxyl is *sent to the pollution*. Dispersing a GHG removal agent is 2500 times more efficient than sucking the whole atmosphere to the equipment.

MARKET We are first to market in providing a robust, scalable air infrastructure management technology for municipalities and urban centres. This is a \$40T market in the race to net zero emissions in a world where the CO₂ level is still rising. The IPCC and world scientists are *relying on GHG removal to help stabilize and salvage human habitat*.

PLAN We will scale up to a 50 unit pilot in 4 years, starting with 90% year 1 university funding, moving to 75% year 3-4 SDTC funding; total \$1.4 M, then scale up commercially in British Columbia with a standardized dispersal system where appropriate government paid carbon offsetting revenue/ markets exist.

A 1200 tube package will serve 100,000 people.

Income Expense model

Daily Income	
CO2 offsets 1	\$41,600.00
CO2 Offsets 2	\$3,200.00
Annual Income	\$15,750,000.00
Daily Expense	
Staff	\$2,040.00
Power	\$2,304.00
Loan payment	\$15,000.00
Consumables	\$12,430.00
Back Office/ Ad	\$1,000.00
Annual Expense	\$11,470,900.00
Ann. Revenue	\$4,279,100.00

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COMPETITION

- Ionic membrane smog tower- not a total GHG emission strategy
- Solar Chimneys-not a total AQ solution
- Titanium Oxide Road & Building coatings-not a total AQ solution
- UV lamps- most expensive & air sucking strategy
- **ReductionTech** Ceramic membrane-is a total GHG & AQ Strategy

Income	Year	Expense
\$200,000	2020	\$200,000
\$200,000	2021	\$200,000
\$700,000	2022	\$700,000
\$300,000	2023	\$300,000
\$1,400,00	TOTAL	\$1,400,000

BUSINESS MODEL Carbon offsetting pays a per tonne fee, which we charge \$5200+/T to emit.

MILESTONES Katerva Award Finalist 2019, 2019 SDTC invitee, TRU Partner 2019, PICS Opportunity Fund Invitee; partners: IRAP, ISIC, BDC, SIDIT, Domtar, TRU, 2009-2019; Minister of State for Mines BC, Kevin Krueger 2010; Nobel Prize Nominee, Dr. Finn Nordmo, Norway, 2012. Fully concept proven/pre commercial with 6 successful prototypes.

FINANCIALS: Outstanding Equities

Equities

Capital Stock: Common	1,358,721.83
Opening Balance Equity -	0.00
Retained Earnings	-926,275.92
Current Earnings	00.00
Total Equities	1,358,721.83

** F&F Round of shares \$269,000

INVESTMENT

Committed \$850,000/10 yrs. In 23 yr. fight against climate change. SRED credits are accrued, we are 9 year old BC investment tax credit eligible, have 46 F&F shareholders. Invited to apply for \$180,000 from the Pacific Institute for Climate Solutions at UVIC for 2020-2022. Seeking \$290,000 in series A, with year 1&2 only needing \$20,000x2 to pair with 2 Alliance Grants of \$180,000. Balance sought spread over years 3,4 as part of \$1.0 M SDTC partnership.

Year 1 Cost-\$200,000 anticipated grant raise 90% \$180,000 offset 'futures' sales \$20,000

Year 2 Cost-\$200,000 anticipated grant raise 90% \$180,000 offset 'futures' sales \$20,000

Year 3 Cost-\$700,000 75% SDTC plus \$175,000 equity/ sell offset 'futures'

Year 4 Cost \$300,000 75% SDTC plus \$75,000 equity/sell offset 'futures'

ROI happens 4.6 years later with yearly operation generating \$4.2M profit.

CORE TEAM

Dr. Kingsley Donkor, full professor, Thompson Rivers University. A respected Environmental Chemist, P Chem, who will lead an international 3 year peer review team and a group of hired engineering and chemistry students that will participate in some pilot validation work.

-Dr. Viva Cundliffe, CEO, Environmental Engineer, Chemist (CIT), Removed the technical risk on the core technology, Climate Scientist and Strategist, 2019 PhD abd. President, Chairperson.

-Andrew Ross, P Eng. M Sc., 9 years at Innovex Engineering, Engineering Design and Consulting.

Directors: Allan Fraser, retired; large oxygen bleaching plant builder and manager. Ann Kelly, retired schoolteacher and financial advisor. The board is set to increase from 3 to Five Jan. 2020.

"Smart Cities" Rely on **ReductionTech** Ensuring Human Survival