pond technologies
working green

2018 AGM

June 24, 2018 10:00am
Cassels
40 King Street W, 2100

***Pond** has developed a proprietary growth platform that can profitably transform CO_2 from any source into valuable products.*

***As a result, Pond's** technology is able to address some of the "key" sustainability challenges of our time.*

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GLOBAL **CHALLENGES**

Rising CO_2 levels and temperatures
are reducing the availability of essential resources (food, animal feed, water)

Rising global populations
mean the demand for these scarce resources is increasing.

70% more food calories will be required to feed the global population by **2050**

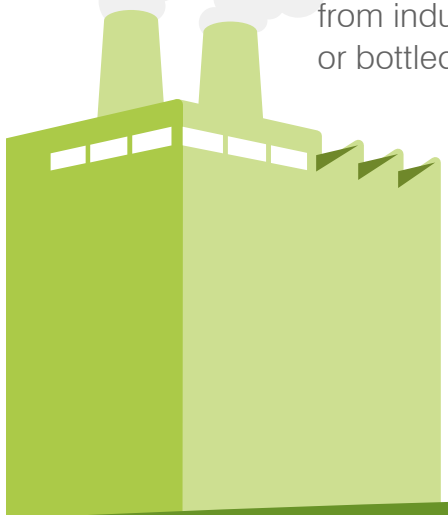

THE SOLUTION IS ALGAE
Algae built our world.
It is the source of all fossil fuels and is the foundation of the food chain – perfect for fish, animals, and humans, containing essential nutrients that are unavailable anywhere else on the planet.

OUR COMPLETE **ALGAE PLATFORM**

1

Carbon Feedstock

We harvest carbon dioxide from industrial emissions or bottled CO2.



2

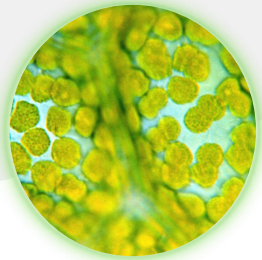
Pond Photobioreactor

We optimize growth conditions using proprietary lighting and computer algorithms to maximize output.

3

Pure Algae

We derive pure algae which can then be processed into marketable products.



4

Products

The algae is sold as biofuels, bioplastics, animal feeds, fertilizers, and nutraceutical supplements.

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WHY POND

Faster Algae Growth = More Revenue

Pond controls the growth environment, using ultra efficient, proprietary LED light engines, with integrated control circuitry unlike any other on Earth. This greatly accelerates the natural process of photosynthesis.

Focus On Margins

Unlike the competition, Pond has created a platform that can use industrial exhaust gas or bottled CO2. We focus on margins – reducing OPEX and targeting hi-value products.

Key Partnerships

Pond is installing commercial technology with Markham District Energy and Stelco. Our largest investor is a subsidiary of Votorantim, a global industrial conglomerate. We were selected as sole technology partner to the National Research Council of Canada's algae carbon utilization research program.

Significant Government Support & Funding

We have received over $8.5 million in support from Canadian government programs, including trade programs like the Asia-Pacific Partnership demonstrating federal and provincial global enthusiasm for our technology.

STRATEGIC **OVERVIEW**

Using a variety of CO_2 feedstocks, Pond has developed proprietary photobioreactors and control systems that enable revenue generation from multiple sales channels and algae products.

Nutraceuticals

Pond uses clean CO_2 sources to grow algae for high-value food additives such as astaxanthin, chlorella, and spirulina

We own and operate the production facility and sell the product

Pollution Abatement

Pond's technology consumes the CO_2 contained in the untreated Greenhouse Gas (GHG) emissions of major industrial facilities to grow algae for biofuels, bioplastics, animal/aquaculture feeds, and use in land reclamation

We sell proprietary equipment and license our technology to industrial emitters

CARBON **UTILIZATION**

Massive opportunity

10,000+ large CO_2 emitters in NA

3 billion+ tonnes CO_2 available

A trillion+ USD+ potential market

First commercial carbon utilization project announced at Stelco's Lake Erie Works steel mill

Signed MOU with SNC Lavalin as a strategic world-wide project partner

> "For St Mary's Cement and our parent company, Votorantim Cimentos, this collaboration with Pond Technologies and the National Research Council of Canada advances our goals of product innovation and sustainable development, while strengthening our position as a leader in building materials sector."
>
> Filiberto Ruiz, President and CEO, Votorantim Cimentos, North America

Pond's technology at work: St. Mary's Cement – St. Mary's, Ontario.

THE VALUE OF ALGAE – **HEAVY MANUFACTURING**

Steel Making

Steelmaking releases *2.5 tonnes of CO_2* per tonne of steel. Crude steel is worth *~US$1,000/tonne*

Cement Making

Cement manufacture releases *1 tonne* of CO_2/ tonne of cement. Cement is worth *~US$150/tonne*

To grow, *1 tonne of algae* requires the consumption of *1.8 tonnes of CO_2* (in addition to the other stack gas constituents consumed). Algae is worth at least *US$1,500 /tonne*

Steel Making

Manufacturing 1 tonne steel could yield *US$1,000 from steel*, and *US$2,080 from algae.*

Cement Making

Manufacturing 1 tonne of cement could yield *US$100 from cement*, and *US$833 from algae*.

POLLUTION ABATEMENT **CHANNEL**

Sell proprietary equipment
and license technology

Direct to industrial emitters

STELCO

SNC·LAVALIN

To heat and power plants

Markham District Energy Inc.

End-of-pipe' solution

Our proprietary photobioreactors are unlike anything else in the world. They require only as much space as a parking spot, and connect directly to industrial smoke stacks, turning pollution feedstock into algae!

TARGETED ALGAE **SALES CHANNELS**

Aquaculture Feed

Direct to large manufacturers

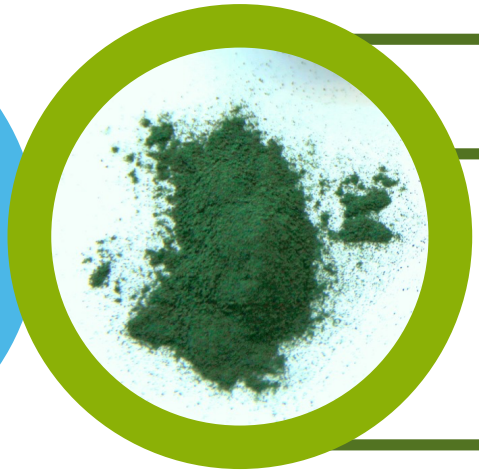
SKRETTING a Nutreco company

OMEGA PROTEIN Healthy Products for a Healthy World

EWOS

$90 Billion
USD Market
CAGR 10%

Nutraceuticals



$231 Billion
USD Market
CAGR 6.5%

Direct to distributors

Direct to manufacturers

NEPTUNE WELLNESS SOLUTIONS

RFI FROM FIELD TO FORMULA

Branded 'Pond Organics' product to end users

Jamieson NATURAL SOURCES Since 1922

INITIAL **TARGET MARKETS**

Chlorella

2016 $227MM

2020 $985MM **+334%**

Spirulina

2016 $718MM

2020 $986MM **+37%**

Astaxanthin

2016 $604MM

2020 $$1.1B **+87%**

Pond Opportunity

+100%

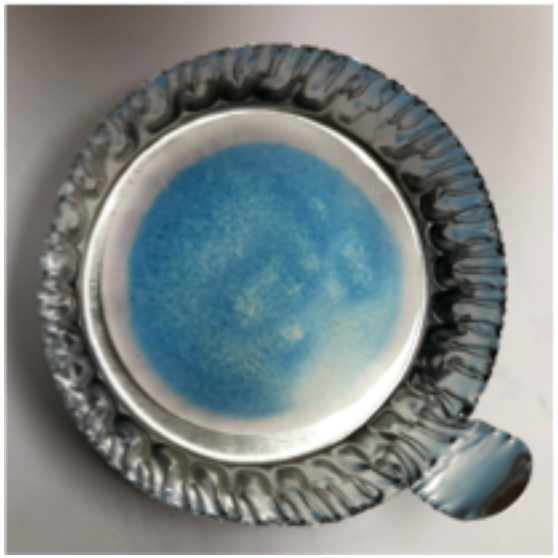
$1.55B 2016

$3.1B 2020

POND **ALGAE**

The uses for algae are ever expanding, and Pond has been in discussions with several buyers of algae in markets that include human nutraceuticals, animal and aquaculture feed producers, and manufacturers of biofoam products.

Pond expects to announce off-takes for algae in several verticals over the coming months.



Pond Spirulina grown at MDE expressing Phycocyanin, a valuable blue pigment used in colouring food, including M&Ms

POND **TECHNOLOGY**

Every plant has a maximum potential growth potential, and Pond's system aims to balance the inputs required to reach this potential while controlling the inputs to manage costs.

Pond's patented growth system is extensible to terrestrial plants, providing an integrated cultivation platform that may yield benefits for cannabis and other valuable plants.

Pond has filed additional provisional patents covering use of the technology for cannabis.

Pond's terrestrial growth system prototype, growing hops

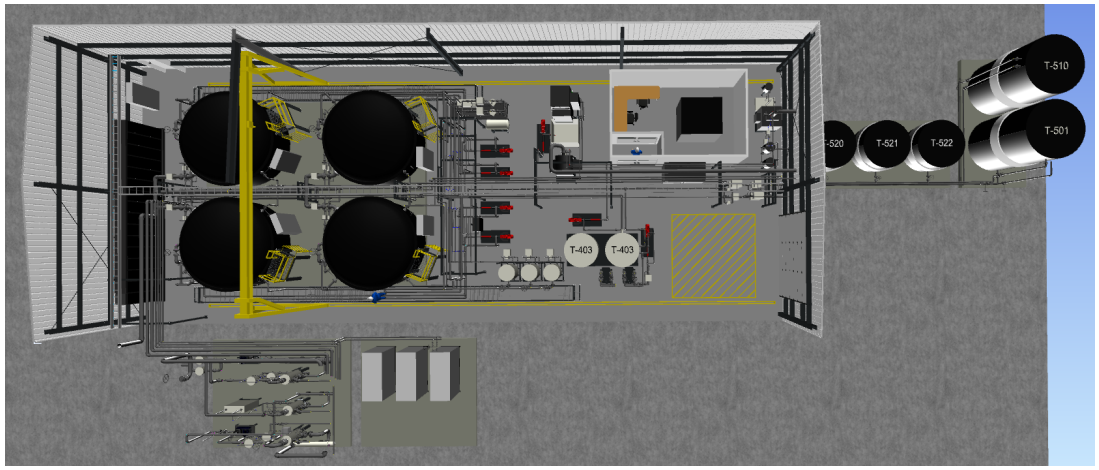
POND **PROJECTS**

Markham District Energy

Pond is in phase 1 of construction of its first nutraceutical plant using the emissions from Markham District Energy's (MDE) Warden Energy Centre combined heat and power plant.

MDE has entered into a marketing agreement with Pond to promote its technology to the district energy sector.

Stelco



Pond is working with Solaris Management Consultants on detailed design of the Stelco algae carbon recycling plant.

Construction of the Stelco plant is being supported by the Ontario Centre's of Excellence through their TargetGHG program, providing up to $5 million in funding.

POND **PRESENTATIONS**

Pond is working to increase awareness of our solution, and has been presenting at a variety of industry forums and conferences.

Pond CEO Steven Martin presented a keynote address along side Ginny Flood, VP Government Relations, Suncor Energy, at the 2018 Energy Summit.

POND **NEWS**

Inventiv Capital Management issues Letter of Intent to fund US$100 Million in Pond Technologies Projects

NEWS PROVIDED BY
Pond Technologies Holdings Inc.
10:34 ET

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CALGARY, June 25, 2018 /CNW/ - **Pond Technologies Holdings Inc.** ("**Pond**") (TSX.V: POND) today announced that Inventiv Capital Management ("**Inventiv**"), a sustainability focused private equity investment firm based in Greenwich, Connecticut, has entered into a letter of intent ("**LOI**") with Pond pursuant to which Inventiv has agreed to provide US$100 Million in project funding. The LOI calls for the creation and funding of a special purpose vehicle ("**SPV**") to develop a diversified portfolio of projects implementing Pond's algae-based emissions abatement solution to be co-located next to industrial emitters of greenhouse gases (power plants, refineries, etc.). Inventiv and its affiliates will be actively engaged in developing projects by sourcing opportunities for deployment of Pond's technology, and funding will be released upon the completion of final due diligence on a project-by-project basis. These investments will not be in Pond directly and will not result in the issuance of any Pond equity.

POND **BRAND**

Pond has developed a new logo, and has completed an internal branding exercise. A new website will be lanched shortly with improved content and linkages to social media, improving engagement with investors.

pondtech

We derive value from emissions.

IP PORTFOLIO

9

Active US Patents

9 US patents in process, with more than 3x more patents filed internationally

Patents granted to date include 4 US, 1 European, 1 Taiwanese, and 1 Chinese, with additional new provisional filings adding to the portfolio

Potential for 5+ additional equipment-related US patents on new technologies

Algae Platform Protection

Modulation patents protect flow of stack gas – crucial for industrial algae growth

Dilution patents protect mixing of stack gas

Adaptive control system that predicts optimum harvest rates based on growth

IP Portfolio allows Pond to own the space

Patents Pending

Equipment related patents to cover new equipment

Advanced process patents

POND **MANAGEMENT**

STEVEN MARTIN
CHIEF EXECUTIVE OFFICER

THOMAS MASNEY
CHIEF FINANCIAL OFFICER

KEVIN ANDRADE
CHIEF OPERATING OFFICER

EMIDIO DI PIETRO
VICE PRESIDENT, ENGINEERING

PETER HOWARD
VICE PRESIDENT, SUSTAINABILITY

POND **BOARD**

Gerry Quinn, B.Sc., C.A, CHAIRMAN

- Mr. Quinn is and has been President of the Erin Mills Investment Corporation since September 1989
- Prior to joining Erin Mills, Mr. Quinn served as a Senior Officer in Magna International Inc. and Barrincorp, both publicly traded companies
- Mr. Quinn served as a Partner in the public accounting firm of Ernst & Young.

Dr. Geraldine Kenney-wallace, Ph.D., DIRECTOR

- Past President and Vice-Chancellor of McMaster University
- Extensive board experience – former Director of the Bank of Montreal, Dofasco Inc., DMR Inc., General Motors (Canada) and Northern Telecom Ltd.
- Former Managing Director of Baesystems, Director of Pharmacia & Upjohn Company LLC since 1993

Bill Asselstine, B.A.Sc., DIRECTOR

- Vice President Technical, Sustainability, and Safety at St. Mary's Cement, where he has worked for over two decades in various capacities
- Oversees procedures and programs to minimize environmental risks and ensures regulatory compliance
- Directs the management of all company properties including registration, taxation, land purchase, development, sale, or lease

Rob Mcleese, C.A., DIRECTOR

- Appointed to Export Development Canada's Board of Directors
- Founder & President of Access Capital Corp., a financial advisory firm specializing in the independent power industry
- Chairman & President of ACI Energy, Inc., which owns and operates two waste coal fueled power plants in the US
- Recipient of the 2011 Probyn Prize for innovation in sustainable energy finance and the 2012 Queen Eizabeth II Diamond Jubilee

KEY **ADVISOR**

Grant Smith,

NUTRACEUTICAL STRATEGY

- President of RFI Canada, RFI provides specialized, innovative functional ingredients to the nutritional, pharmaceutical, food and beverage industries in Canada and the USA.
- Responsible for driving new product development from the marketing / concept development stage to the complete finished product in custom packaging for RFI clients.

VALIDATION & **PARTNERSHIPS**

DISCLAIMER

Certain information regarding Pond Technologies Holdings Inc. ("Pond") included in this presentation including management's assessment of product pricing, timing of capital expenditures and anticipated revenues and costs relating to the operations of Pond constitutes forward-looking information. This information is subject to risks, uncertainties and assumptions that may be difficult to predict. Actual results may differ and the difference may be material. Readers are cautioned that any such forward-looking information are not guarantees of future performance and that the factors mentioned and other factors not mentioned may materially affect the performance of Pond's future operations. Furthermore, information presented herein is dated at the time prepared and Pond does not undertake any obligation to update publicly or to revise any of the forward-looking information, whether as a result of new information, future events or otherwise, except as required by applicable legislation.

thank you!

We appreciate your time and consideration! Please don't hesitate to contact us with any comments or questions. We look forward to taking the first step in our journey together.

pondtechnologiesinc.com

pond technologies