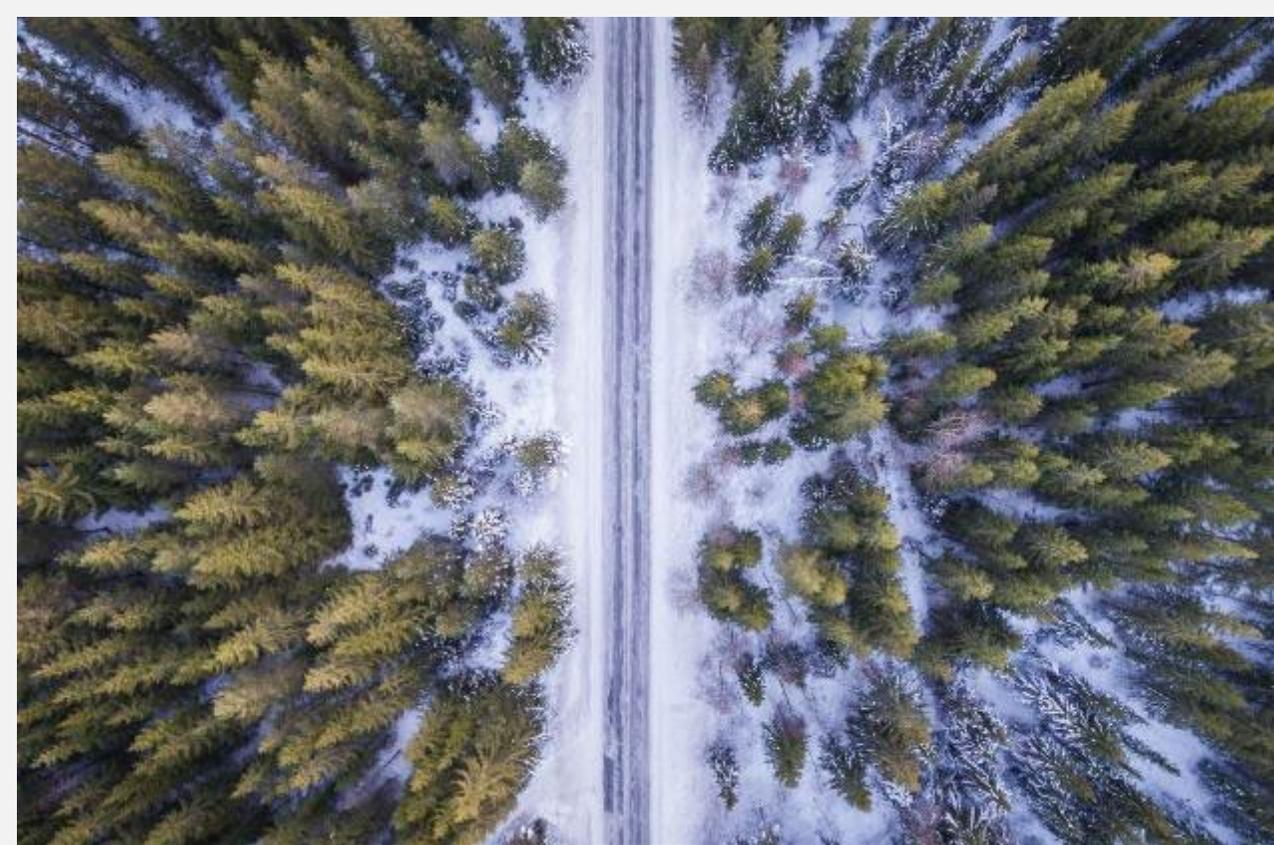




Waste to Sequestered Carbon

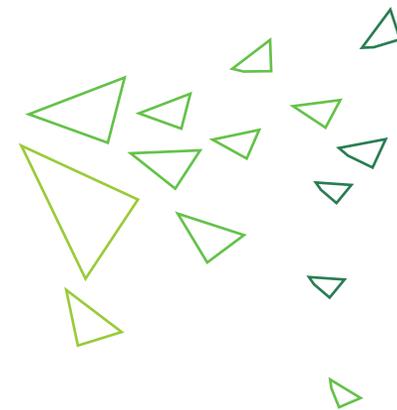
Canadian Clean Technology Company Overview

August 8, 2022



About Us

Titan has developed the most efficient, low cost slow-pyrolysis technology in the world. We manufacture carbon and sequester that carbon in activated charcoal and bioplastics.



A Canadian Biomass Solution

Canada is a country of forests and agriculture and we are finding innovative ways to manage biomass waste, both at home and around the globe.

Our Facility

- Founded 2008 in Craik, SK
- Single processing facility in central Canada
- 23 hectare industrial property, four buildings, sawmill, analytical laboratory, clean packaging, storage, machine shop, bioplastics and biofuel production and packaging



Titan's Solution



Slow Pyrolysis

Slow Pyrolysis can turn any waste biomass (lignan, bark and woodchips) into carbon and fuel.



Activated Carbon

Titan has developed pellets, granules and fine powder activated carbon.



Titan's Solution



Slow Pyrolysis

Slow Pyrolysis can turn any waste biomass (lignan, bark and woodchips) into carbon and fuel.



Bioplastics Additive

Titan has developed a carbon-based biodegradable, compostable bioplastic concentrate.

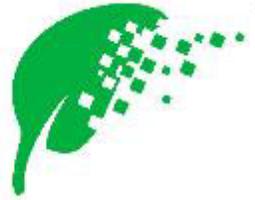


The Product

We produce clean, durable, multi-use, recyclable, biodegradable and **carbon negative** bioplastic resins

- Molders and extruders can use our bioplastics in existing manufacturing infrastructures.
- We will have the **lowest cost of goods sold** for any bioplastic manufacturer by 2023.

- **\$1.7 million ISED grand prize winner, 2020 for bioplastics challenge – compostable food packaging and melt-blown fabric**

redesco ™

Bioplastic resins by Titan Clean Energy Projects



Innovation, Science and
Economic Development Canada

 TITAN Carbon Smart Technologies

Business Model

The Circular Economy



Waste is feedstock

Titan charges a waste disposal fee for commercial wood waste



Process is fueled by waste

Highest cost of plastics production is electricity. Titan generates its own electricity from bio-fuel



Product is Valuable and Carbon Negative

The emerging carbon markets will continue to add revenue to the already profitable business model

Titan's Advantages over the Competition

	Titan Clean Energy	Competitor A	Competitor B	Competitor C
Autothermal	✓			✓
Wood vinegar recovery	✓			✓
Bio-crude and syngas recovery	✓			✓
Continuous process	✓	✓	✓	✓
Does not require quench	✓			
Highest carbon content	✓			
Triple airlock system	✓			
Market development	✓	✓	✓	

Market Opportunity



\$8.3B

Bioplastics market:

- \$8.3 Billion (2020)
- \$26 Billion (2027)



\$200B

- Projected value of global carbon off-sets market by 2050

Looking Forward...



Manufacturing carbon from waste is profitable, circular, and good for climate, waste, water, and air.



Titan has a highly effective carbon sequestration solution that can be replicated around the world.

Summary

Acknowledging collaborators and funders...



Agriculture and
Agri-Food Canada





Disclaimer

In addition to current and historical information, this presentation may contain forward-looking statements. These statements relate to our future operations, prospects, potential products, services, developments, business strategies or our future financial performance. Forward-looking statements reflect our expectations, assumptions and market projections only as of the date of this presentation and are subject to risks and uncertainties. Actual events or results may differ materially. We have included a discussion of certain risks and uncertainties that could cause actual results and events to differ materially from our forward-looking statements. We undertake no obligation to update or revise publicly any forward-looking statement after the date of this presentation, whether as a result of new information, future events or otherwise.