Who we are?

- Leaders in innovative engineering, technology, manufacturing, and product development in the industrial hemp industry; part of an industrial group in business for over 30 years

- Team
  - Mike Pildysh, M.E., P.E. - President
  - Stephen Christensen, Ph.D., P.Chem. - VP & GM
  - Natalie McKenzie, M.A.Sc., P.E. - Process Engineer
  - Kurt Edwards, B.A.Sc., P.E. - Mechanical Engineer
  - Matt McKay - Engineering Technologist
  - Brittany McKell, BBA - Marketing Manager
HempTrain™ Advanced Processing Plant

- The HempTrain™ Advanced Processing Plant is a complete decortication, separation, and industrial hemp processing solution

- Produces green microfiber (GMF), intact long structural bast fiber, and size-specified hurd from dry feedstock

- Radically reduces harvesting costs!
  - See dry processing whitepaper for more information
HempTrain™ Advanced Processing Plant

Specifications for a HempTrain™ commercial module:

- Includes:
  - Baled Straw Opener
  - Processing Units
  - NFPA-Compliant Dust Collection
  - Electrical and Touchscreen Control

- Throughput: ~2000 lbs/hr (approximately 10-12 million lbs/year), feedstock dependent*

- Area Required: <1500ft² (140m²)

- Machine Height: 16’ (5m) (19’ required for installation)

- Machine Weight: ~35,000 lbs (15,900 kg)

- Bale Window Opening: 5’x6’ (1.6m x 1.8m). Some bale configurations may require operators involvement in bale loading.

- Hurd Fiber Particle Length: From 1/8” (3mm) to 2” (50mm)

- Power Requirement: ~85 kVA; 480V 3-Phase

*Certain types of feedstock with a higher content of bast fiber (>15% w/w) and longer bast fiber in length (>3ft), as well as certain bale configurations may significantly affect the throughput capacity. Feed rate and manner of loading may change significantly depending on feedstock. For more information, please contact us.
See videos and whitepapers on our website.
HempTrain™ – Production Streams & Potential Uses

HempTrain™ Product Streams

CGT Products (may require additional processing)
Markets

► Bast Fiber
  ► Concrete Fibre: $3 billion in 2021
  ► Other markets - composites, animal bedding, insulation, etc.

► Hurd Fiber
  ► Cat Litter: $2.8 billion in North America
  ► Small Dog Litter: 40 million small dog owners in the U.S.
  ► Potting Mix: $2 billion with 20-45% increase per year
  ► Food Preservation: $91 billion in fresh veg. sold in U.S., ~60% wasted
  ► Other markets - hempcrete, insulation, mulch, composites, etc.

► Green Microfiber (GMF)
  ► Beauty Products: $430 billion by 2022
  ► CBD Oil: $2 billion by 2020
  ► Soil Amendment: $500 million with 20-45% increase per year

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## Envisioned Financial Forecast

### Yearly Sales and Revenue Forecast

<table>
<thead>
<tr>
<th>Year</th>
<th>Sales (1000 Lbs)</th>
<th>Revenue ($1000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### % of Full Capacity

<table>
<thead>
<tr>
<th>Year</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>12%</td>
<td>24%</td>
<td>48%</td>
<td>80%</td>
<td>100%</td>
</tr>
</tbody>
</table>

### Revenue ($1000)

<table>
<thead>
<tr>
<th>Product</th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
<th>Year 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bast fiber</td>
<td>180</td>
<td>360</td>
<td>720</td>
<td>1200</td>
<td>1500</td>
</tr>
<tr>
<td>Hurd</td>
<td>780</td>
<td>1560</td>
<td>3120</td>
<td>5200</td>
<td>6500</td>
</tr>
<tr>
<td>Green microfiber (GMF)</td>
<td>240</td>
<td>480</td>
<td>960</td>
<td>1600</td>
<td>2000</td>
</tr>
<tr>
<td>Total</td>
<td>$4,560</td>
<td>$9,120</td>
<td>$18,240</td>
<td>$30,400</td>
<td>$38,000</td>
</tr>
</tbody>
</table>

### Expenses ($1000)

<table>
<thead>
<tr>
<th>Item</th>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
<th>Year 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feedstock</td>
<td>-$120</td>
<td>-$240</td>
<td>-$480</td>
<td>-$800</td>
<td>-$1,000</td>
</tr>
<tr>
<td>Labour</td>
<td>-$250</td>
<td>-$250</td>
<td>-$250</td>
<td>-$250</td>
<td>-$250</td>
</tr>
<tr>
<td>Utilities</td>
<td>-$30</td>
<td>-$30</td>
<td>-$30</td>
<td>-$30</td>
<td>-$30</td>
</tr>
<tr>
<td>Premises</td>
<td>-$120</td>
<td>-$120</td>
<td>-$120</td>
<td>-$120</td>
<td>-$120</td>
</tr>
<tr>
<td>Overhead/Maintenance/Marketing</td>
<td>-$200</td>
<td>-$400</td>
<td>-$800</td>
<td>-$1,000</td>
<td>-$1,000</td>
</tr>
<tr>
<td>Total</td>
<td>-$720</td>
<td>-$1,040</td>
<td>-$1,680</td>
<td>-$2,200</td>
<td>-$2,400</td>
</tr>
</tbody>
</table>

### Capital Expenditure ($1000)

<table>
<thead>
<tr>
<th>Year 1</th>
<th>$1,900</th>
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</thead>
</table>

### EBIDTA ($1000)

<table>
<thead>
<tr>
<th>Year 1</th>
<th>$1,900</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 2</td>
<td>$8,080</td>
</tr>
<tr>
<td>Year 3</td>
<td>$16,560</td>
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<tr>
<td>Year 4</td>
<td>$28,200</td>
</tr>
<tr>
<td>Year 5</td>
<td>$35,600</td>
</tr>
</tbody>
</table>

### Notes:

1. This is an example only. Actual values will depend on project/market specifics. Values are in Canadian dollars.
2. Input assumptions:

   - **COSTS: OPERATION 5000 HOURS PER YEAR**
     1. Up-front capital: $1,940,000
     2. Labor: 2 operators x 5000 hours x $25 per hour = $250,000 per year
     3. Utilities: 60 kilowatt x 5000 hours x $0.10 kilowatt hours = $30,000 per year
     4. Premises: $10,000 per month x 12 months = $120,000 per year
     5. Feedstock: $200 per ton = $0.10 per 1 lb of any product

   - **PRICES:**
     1. Fiber fraction: $1.00 per lb (as feedstock for $6-7 per lb products - i.e. reinforcement fiber, etc.)
     2. Hurd fraction: $1.00 per lb (as feedstock for $5 per lb products - i.e. cat litter, etc.)
     3. Green fraction: $15 per lb (as 10% of the current market value of CBD in each 1 lb of the product, at documented 0.7% CBD)

   - **TOTAL ANNUAL OUTPUT CAPACITY:**
     1. Bast fiber: 1,500,000 lbs (15%)
     2. Hurd: 6,500,000 lbs (65%)
     3. Green microfiber (GMF) - (CBD containing): 2,000,000 lbs (20%)
HEMPTRAIN™: EVISIONED FINANCIAL FORECAST*

*NOTE: This is an example only. Actual values will depend on project/market specifics.
Call to Action

- Purchase of HempTrain™ Advanced Processing Plant
  - CGT Proposal / Buyer Acceptance
  - Contract - signing & deposit of 50%
  - Demonstration of unit prior to shipment (at CGT Premises)
  - Payment of 50% balance
  - Shipment to buyer / Commissioning / Transfer of Ownership to Buyer / Training in Operation and Maintenance
Contact Information

- Stephen Christensen, Ph.D., P.Chem. - VP & GM
  stephen.christensen@canadiangreenfield.com
  +1-587-392-1669

If interested in what HempTrain™ can do to for CBD production, read “HempTrain™ for CBD: Drastic Capital and Operating Cost Reduction by Processing Fresh/Green Hemp” (link)