

# BioOilSolv



BioOilSolv inc.  
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Cofounder and CEO  
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# Challenges in Bitumen and heavy-oil recovery

Contributes to  
Extensive  
GHG emission

Requires high  
energy  
consumption

Costly  
separation of  
bitumen/steam  
emulsion

Low recovery



# Our Solution



**Green solvents** extracted from forestry biomass through a thermo-catalytic process





# Value Proposition

- **Reduced** GHG emissions: Reduced use of natural gas for steam generation
- **Improved** recovery: our research has shown six fold improvement in recovery
- **Reduced** production costs: bitumen/water emulsion treatment and maintenance costs associated with asphaltene deposition.
- **Adaptable**: Using the existing infrastructure



# Target Market and Market Size



Our customer is the oil and gas industry in Canada and globally

Key customers

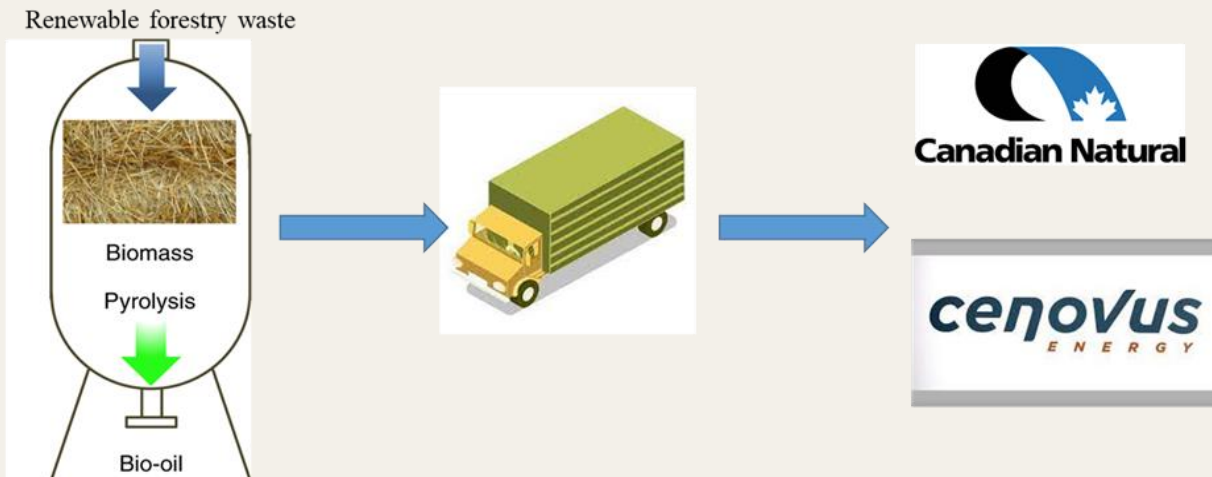
Oilsands industries

\$5200B TAM

\$26B SAM

\$2.6B SOM

Green solvent production

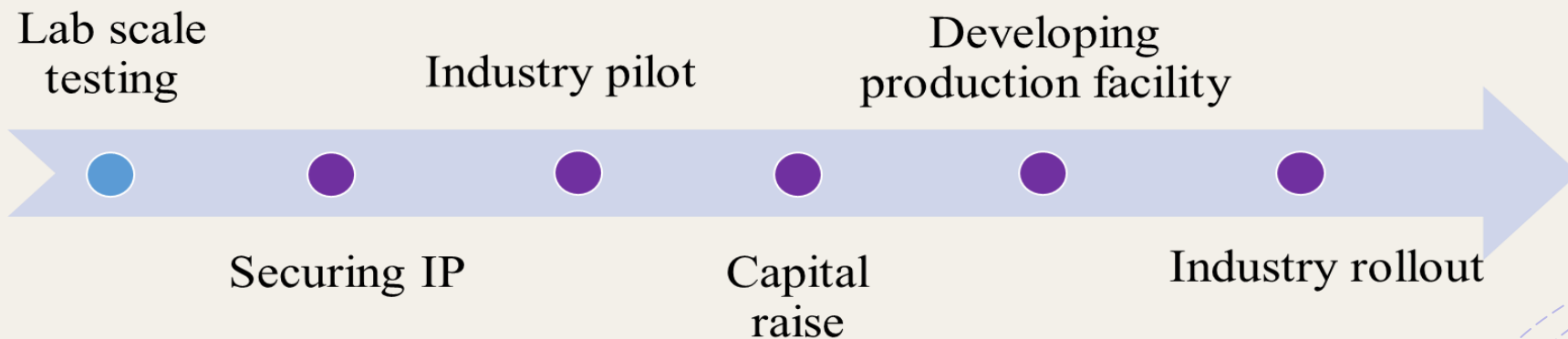


SUNCOR  
ENERGY

Imperial

# G2M

- Working with COSIA to further validate our technology
- Finding partnership to accelerate the scaling up
- Participating in different Clean Technology events

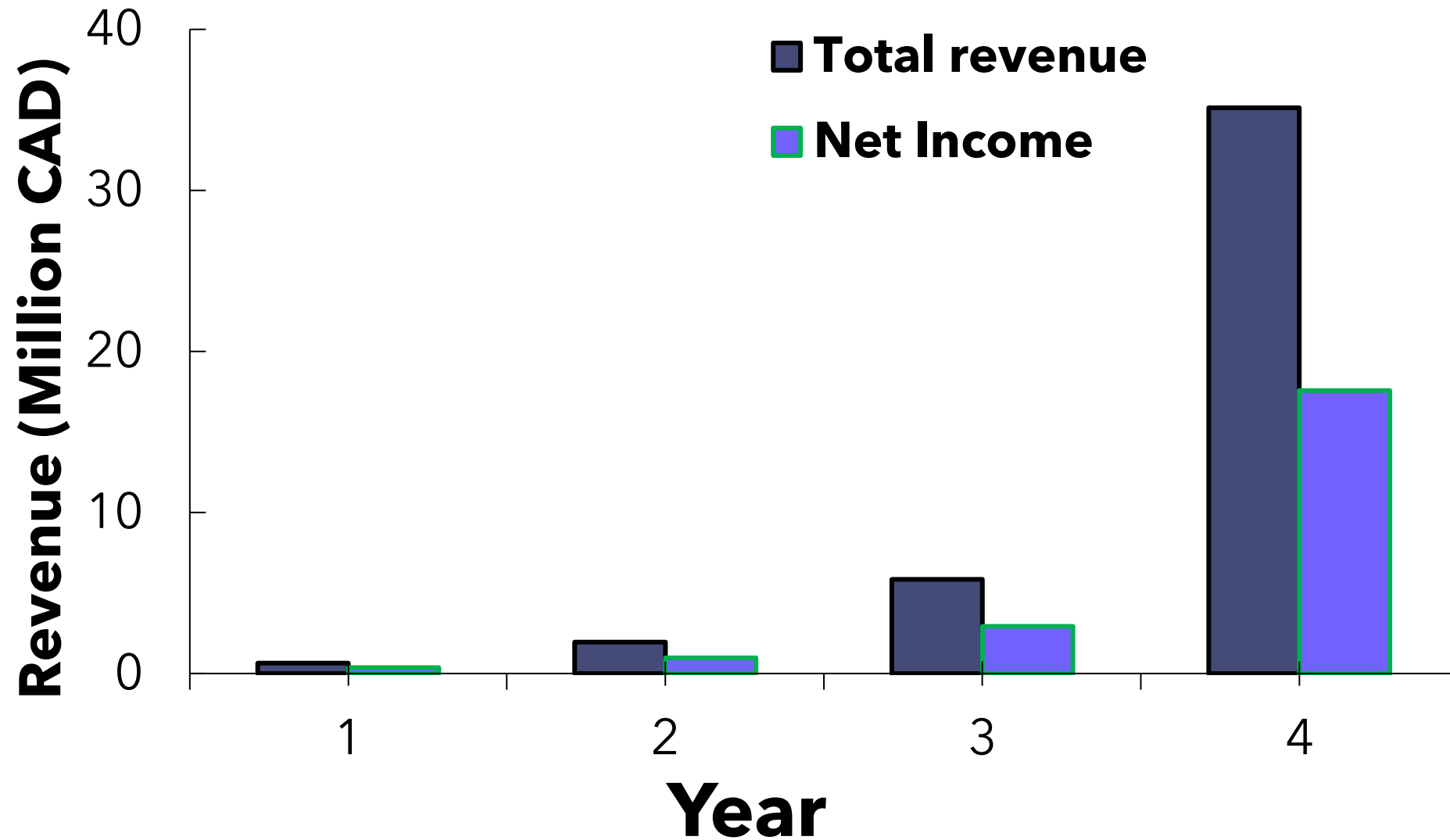


# Competitors



Company	Solvent	Asphaltene dissolution and high production rate	GHG
<b>BioOilSolv</b>	Biomass derived solvent	✓	✓✓
<b>Imperial</b>	Propane, diluent (C5)	✗	✓
<b>ConocoPhillips</b>	Propane, butane, hexane	✗	✓
<b>Cenovus</b>	Non-condensable gas	✗	✓
<b>CNRL</b>	Non-condensable gas	✗	✓

# Financial projection





# Team



**Sedigheh Mahdavi**  
Postdoctoral Associate,  
PhD in Reservoir Engineering,  
Co-Founder

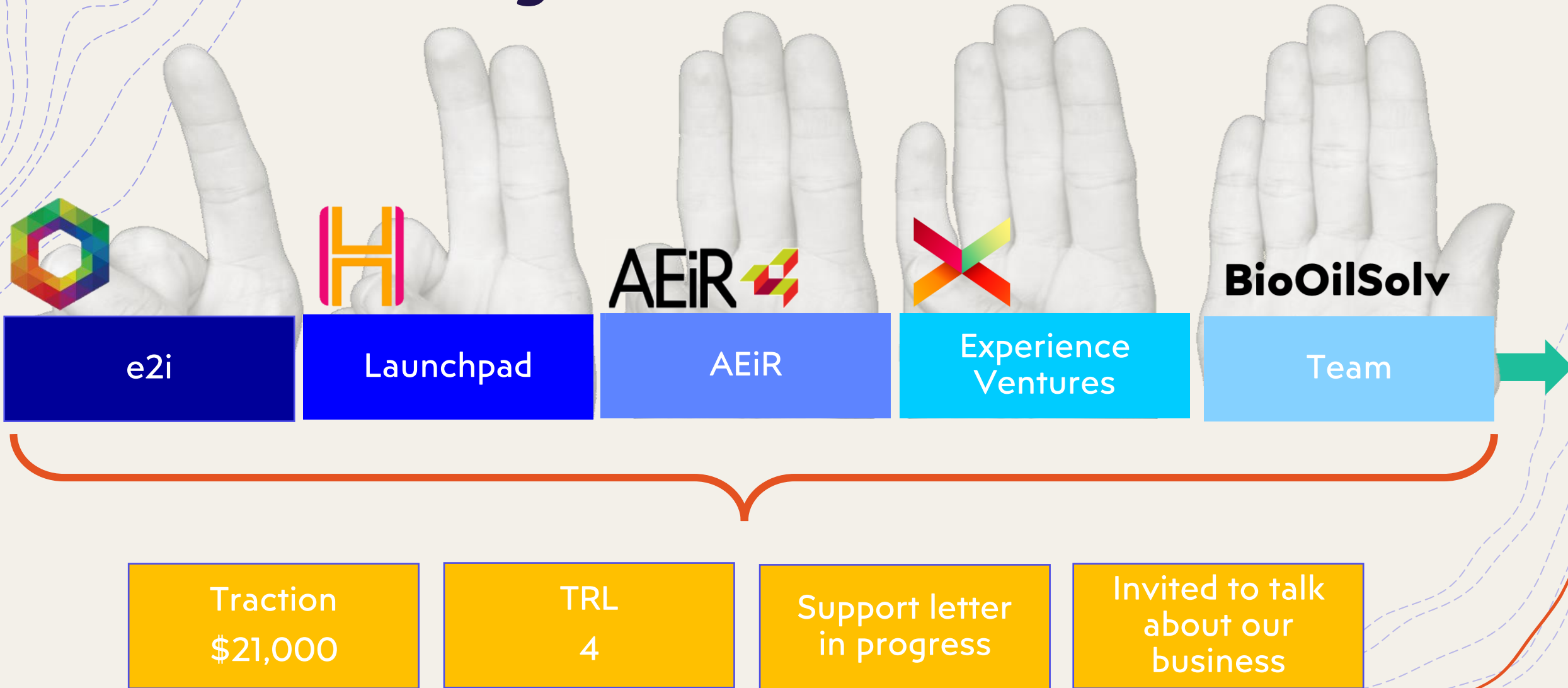


**Mohammad Alikarami**  
PhD Candidate in  
Chemical Engineering,  
Co-Founder



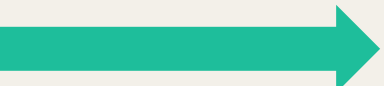
**Hector Siegler**  
Professor,  
CTO, Algal Earth,  
Co-Founder

# Progress and traction



# Looking to the Future



- 
- Validation of bitumen recovery in a larger scale

## Talk to Industry

- Cenovus
  - Suncor
  - CNRL
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