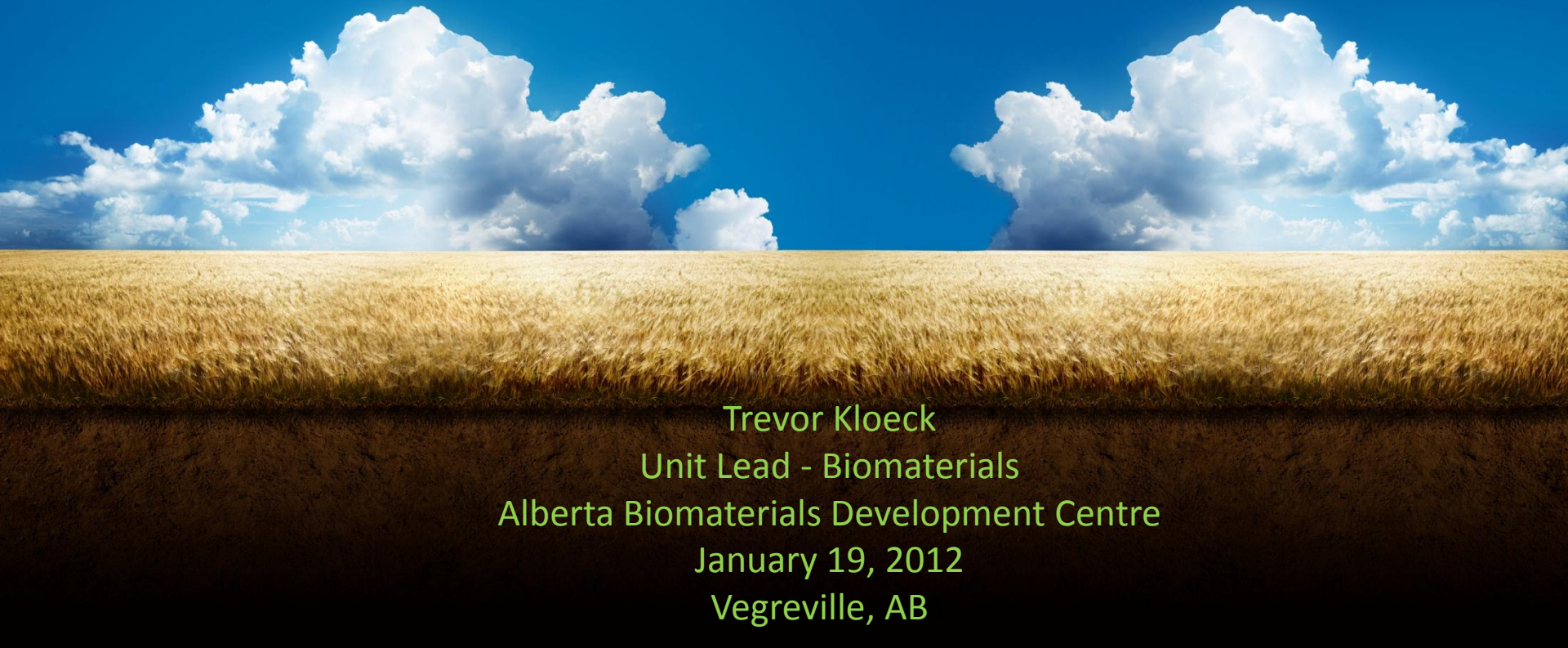


# Alberta Biomaterials Development Centre

## Biofibre – *Innovation & Opportunities*



Trevor Kloeck

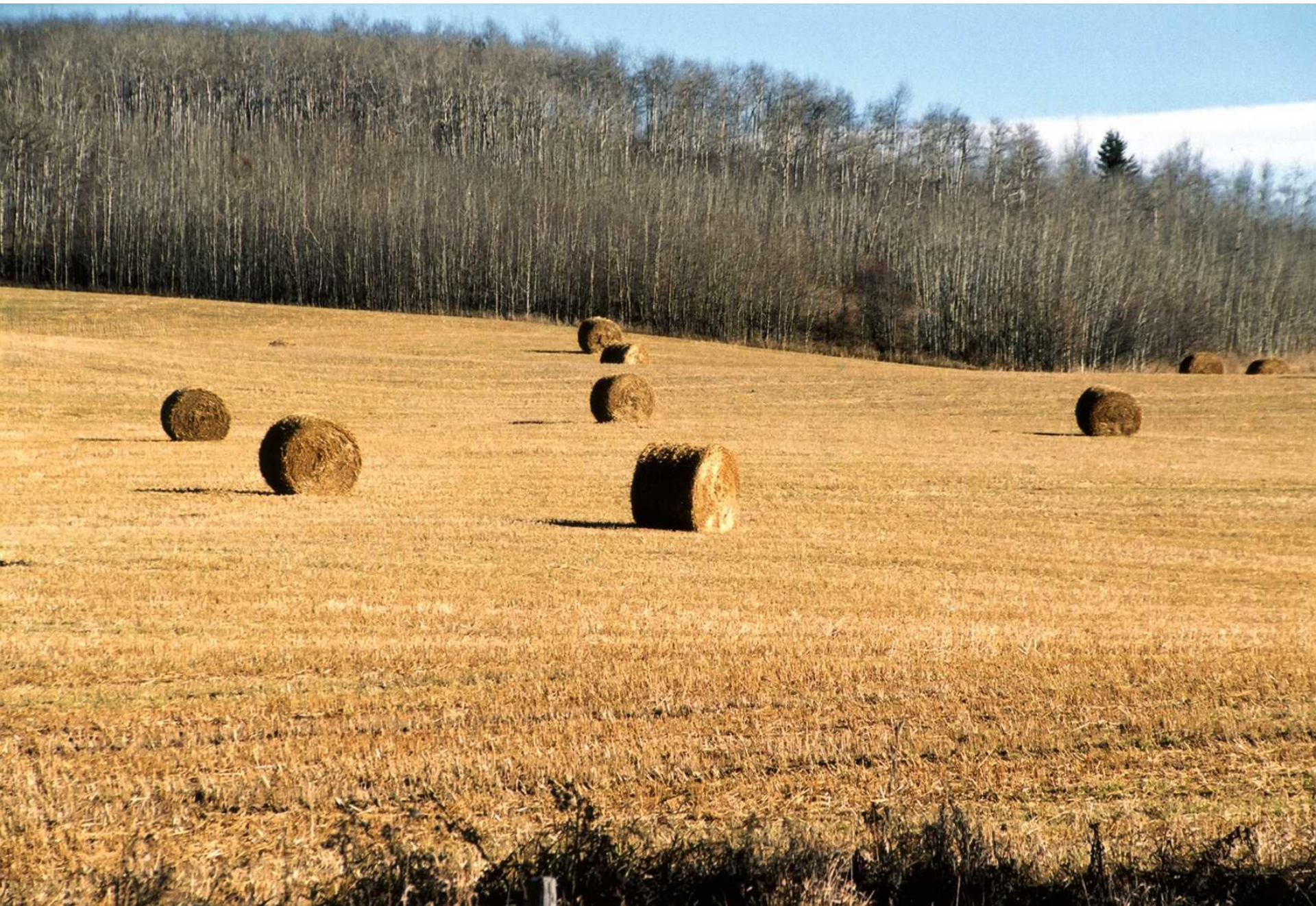
Unit Lead - Biomaterials

Alberta Biomaterials Development Centre

January 19, 2012

Vegreville, AB

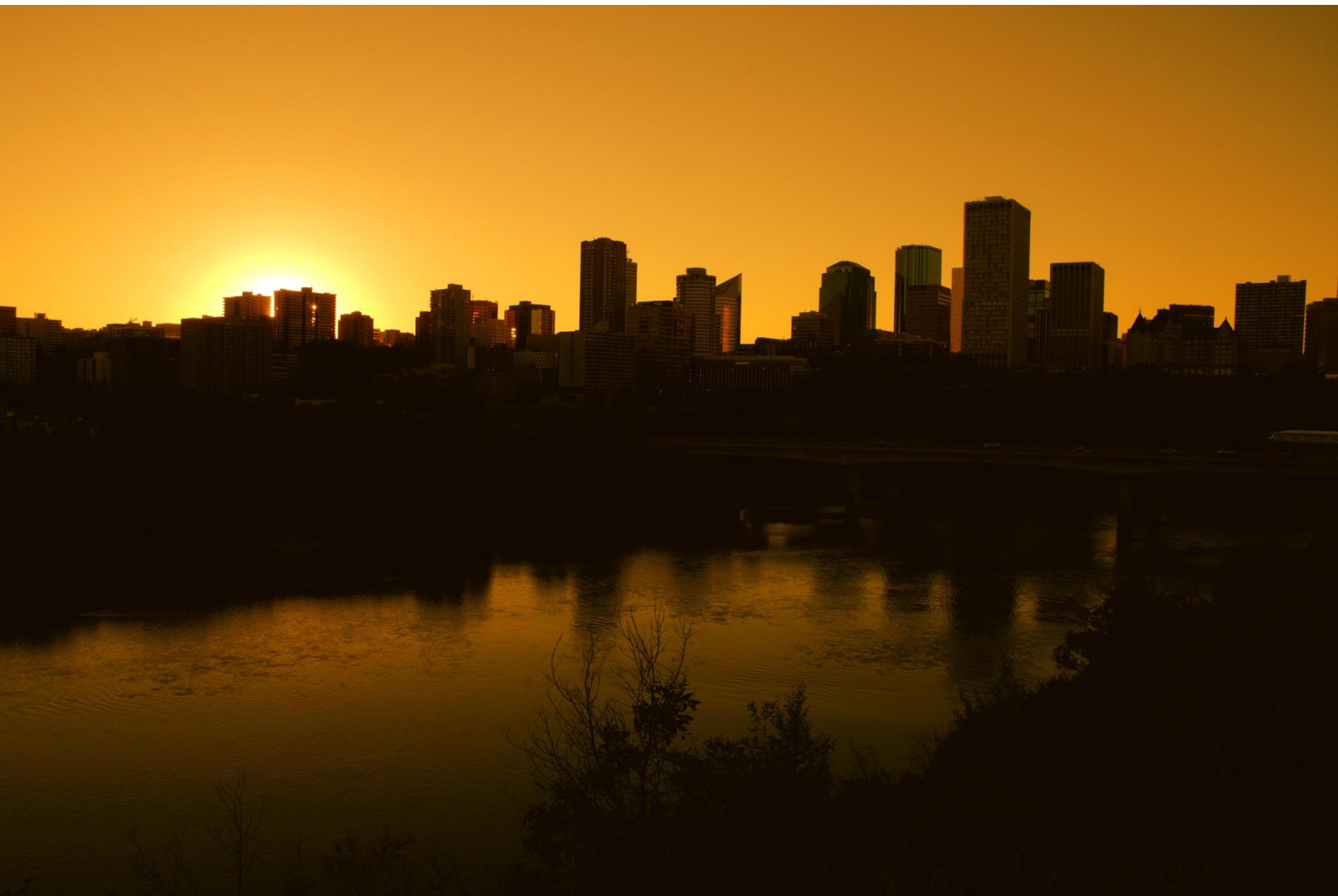












# Alberta Biomaterials Development Centre

- \$15M initiative
- Virtual centre
- Pre-commercial and small demonstration scale processing
- Bridges business and technical aspects



# Alberta Biomaterials Development Centre



## Feedstock Development

- Genomics
- Breeding
- Cultivation
- Harvesting



## Processing & Conversion

- Mechanical processing
  - Chopping, milling, decorticating, refining
- Chemical processing
  - Pulping, degumming
  - Extrusion



## Bio-Products

- Bio-Composites
- Bio-Products (textiles, paper, absorbents)
- Bio-Polymers (Bio polyols)
- Bio-based chemicals

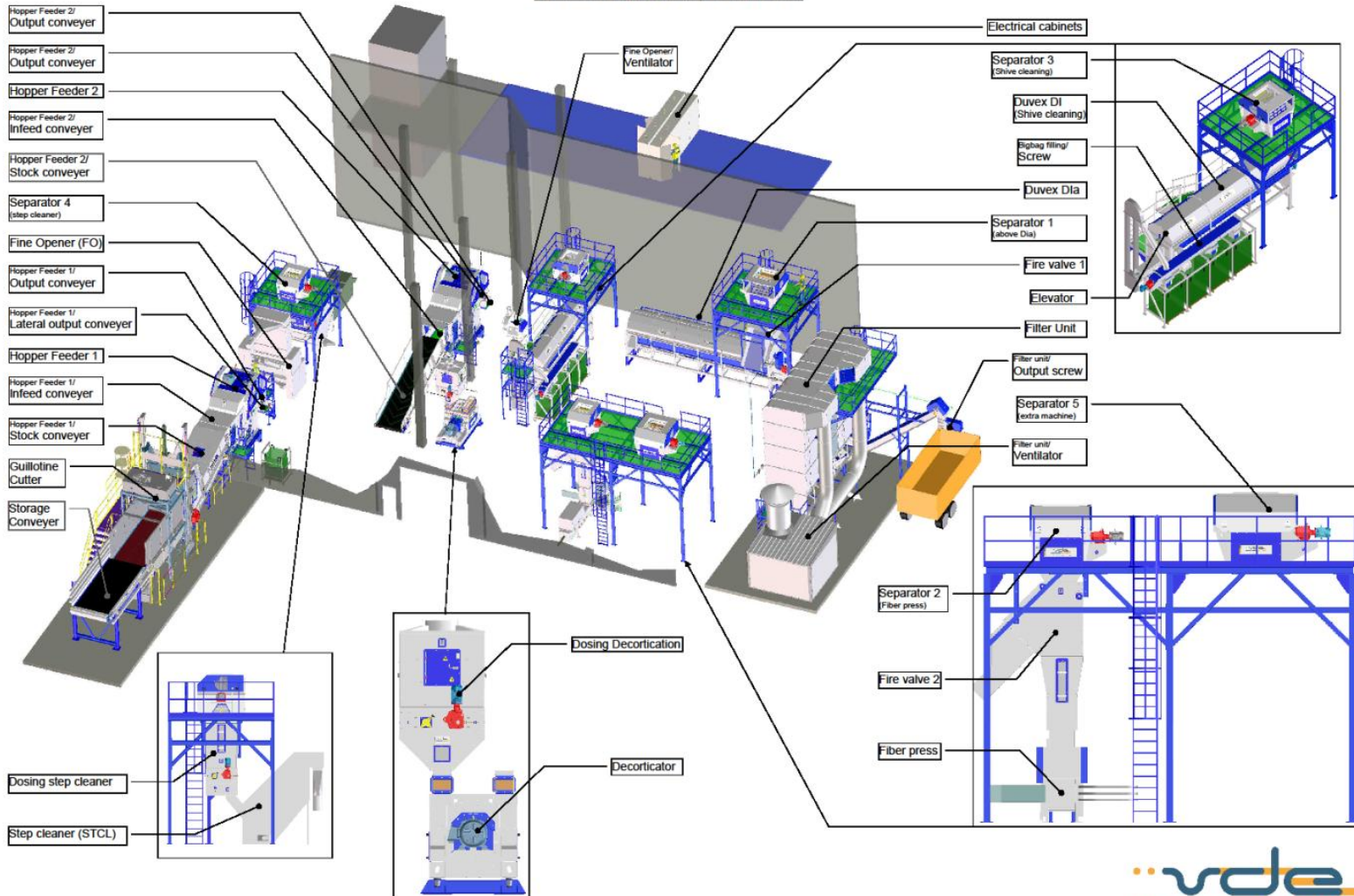






# Decortication Pilot Plant

**ABDC-Alberta, Canada**





# Case Success: Tam Tekle Services

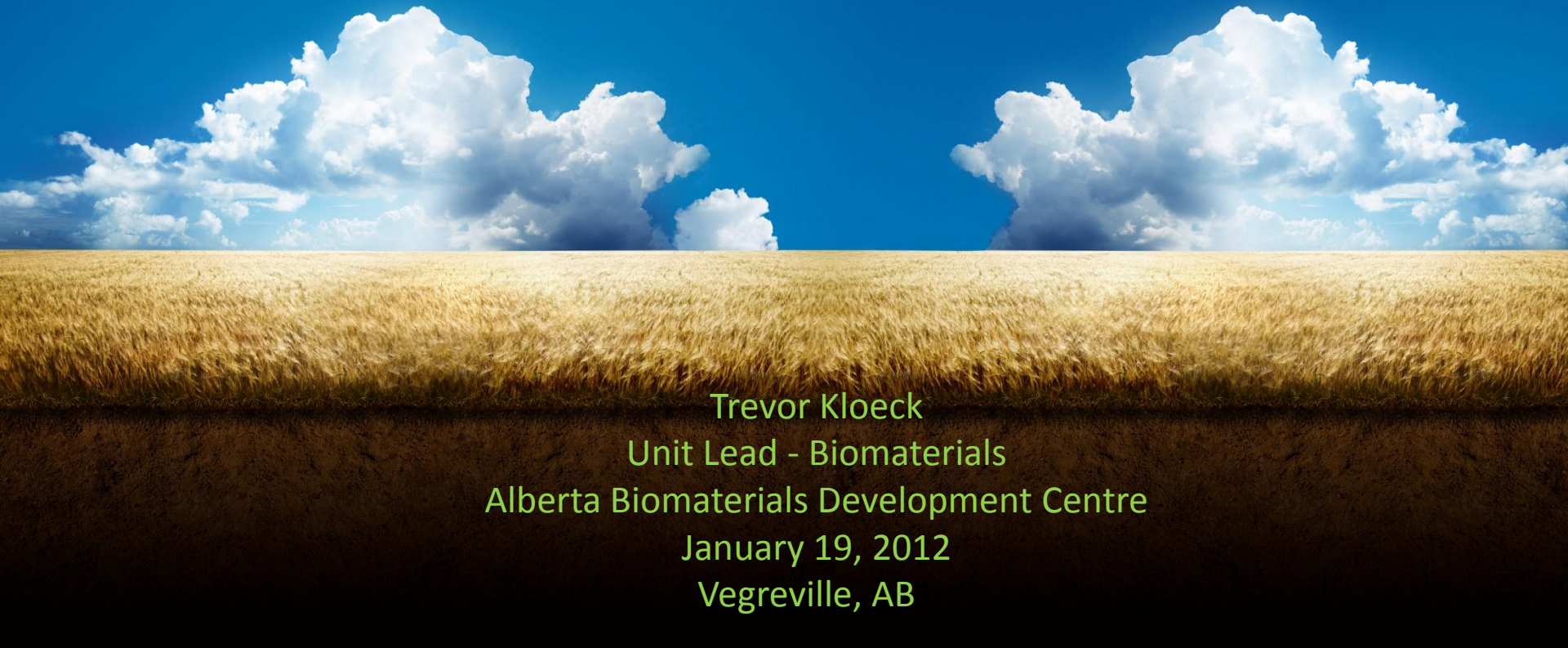


- Assisted with product development
- Market identification
- Identifying financing options
- Helped source equipment



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