

# Field to Future: Alberta Ag Plastics Recycling Webinar

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# Corporate Overview



- Established in 1951
- Leader in agricultural plastics recycling since 1989, partnering with CleanFARMS to drive circular economy solutions in Western Canada
- In 2023 alone, collected over 1 million kg of plastic containers in Western Canada



- Founded in 2014 in Germany, develops advanced water-based plastic recycling systems
- Operates in 10+ commercial facilities across Europe, with a growing global footprint and a team of 45 specialists

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# Why This Matters

- Over 877M kg of FIBCs imported to Canada (2000–2023)
- No recycling infrastructure in Alberta for end-of-life plastics
- FIBCs are durable but non-biodegradable and often landfilled or exported
- Virgin PP use = high energy and GHG emissions
- Recycling reduces waste, pollution, and GHGs while conserving resources



# Project Scope and Objectives



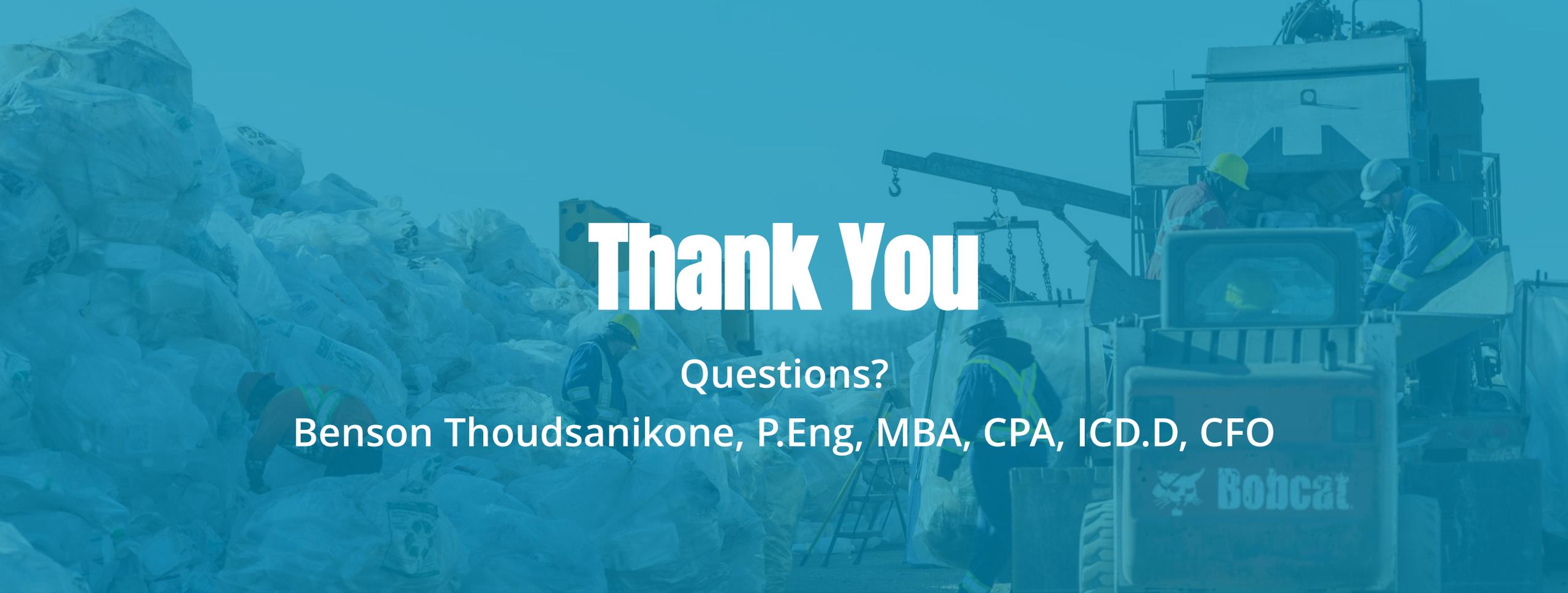
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- 8,000 tonnes/year processing capacity, Modular, closed-loop, water-based system
- Inputs: FIBCs, supersacks (PP)
- Output: High-purity rPP flakes (<100 ppm contamination)
- Based off similar project in France and Australia



# GHG & Environmental Benefits

- ~12,000 tCO<sub>2</sub>e/year reduction at full capacity (8,000 tonnes/year)
- Avoided emissions from virgin PP production,
- 0.571 MtCO<sub>2</sub>e in cumulative reductions by 2050 (with scale-up)
- Energy-efficient, closed-loop process conserves water and avoids incineration

The background image shows a waste management facility. On the left, there are large piles of white plastic bags. In the center and right, several workers wearing hard hats and safety vests are working. A Bobcat front loader is visible in the foreground on the right. The entire image has a blue tint.

# Thank You

Questions?

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