Positioning Alberta as a World Leader in Plastics Circularity Through reciChain

reciChain Canada is a technology-enabled, collaborative ecosystem among value chain players to enable plastics circularity by continuously tracking recyclable plastic products, and incentivizing participation including post-consumer recycled (PCR) content adoption through a credit marketplace. reciChain’s underline technologies are a blockchain-based digital twin and token/credit marketplace and a physical scanner, tracer and / or marker to follow plastic and key features (type of plastic, recycled content, or volume).

It is expected that, with the successful scaling, this industry-wide platform will provide Alberta with a first mover advantage contributing to circular economy goals.

APPLICATION

By creating a consortium of stakeholders positioned along the value chain, the solution forces a move away from linear stakeholder engagement, where parties only communicate with their upstream or downstream partners, and instead encourages collaborative discussions and a differentiated amount of credits depending on relative stakeholder investment needed to participate. This will reduce barriers to communication, increase productivity, and encourage innovation.
The project was kicked off in March 2022. The first phase, Design Phase is in progress where:

1. Alberta Pilot stakeholders’ ecosystem will get defined
2. Blockchain technology needs will get identified
3. Tracker/tracer/scanner technology pilot will be selected by the consortium

**CURRENT STATUS**

**APR 2022**

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