

STEPHANE RENOU

PRESIDENT & CEO

FPINNOVATIONS

Innovation, New Products & New Markets

INVESTING IN NEW BIOECONOMY OPPORTUNITIES



First commercial cellulose nanocrystals (CNC) plant in Quebec

Market value = \$8 million/year

First commercial lignin process in Alberta

Market value = \$7.5 million/year

First commercial cellulose filaments (CF) plant in Quebec

Market value = \$5 million/year

First TMP-Bio pilot plant in Ontario

Estimated Potential Market value

= \$19 million/year

INVESTING IN NEW BIOECONOMY OPPORTUNITIES

> SUSTAINABLE WOOD CONSTRUCTION

Potential market: \$900M by 2023

> WOOD BASED BIOPLASTICS

Potential market: \$700M by 2022

(>) WOOD FIBRE-BASED BIOFUELS

Alternative solutions in a \$2.5B Canadian bioenergy market

> FORESTRY 4.0

Integrate big data and high tech into forest operations. Generate savings and value added close to \$1 billion per year by 2025

> ADVANCED MANUFACTURING

Increase fibre recovery by 30%, reduce co products production by 20% and diversify products by 2023

NEW WOOD BASED BIOMATERIALS AND BIOCOMPOSITES

INNOVATION ACCELERATION

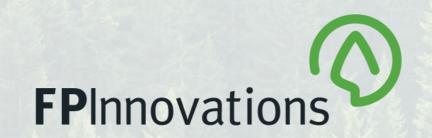
- Accelerate development & deployment of innovations within the forest sector
- Synergies with other sectors

STRATEGIC PARTNERSHIPS

- Focus on strategic partnerships with industry, academia, technology developers, end-users, and other innovation providers
- Market-Pull not Technology-Push

MAXIMIZING ECONOMIC IMPACTS

Focus on few large initiatives not several small projects



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