



FPINNOVATIONS PARTNERING WITH ONTARIO TO IMPLEMENT THE NEW FOREST SECTOR STRATEGY

Briefing for Minister Yakabuski
Minister of Natural Resources and Forestry
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FPINNOVATIONS

A world where products from sustainably managed forests contribute to every aspect of daily life...



ABOUT FPINNOVATIONS

- A not-for-profit R&D organization specializing in the creation of solutions that accelerate the growth of the Canadian forest sector and its affiliated industries to **enhance our global competitiveness**
- **Value Chain expertise**; forest operations, wood products, pulp and paper, and bio-sourced products
- **Transforming and diversifying** the Canadian forest sector and creating solutions along the entire value chain, from forest management to the consumer

more...



ABOUT FPINNOVATIONS

- A **unique industry-government partnership** model that acts as an innovation catalyst for Canada's forest sector
- More than **430 specialists** across Canada with an annual operating budget of **\$72 million**
- Membership totals to **180 industry companies**
- **Federal and Provincial support** through membership and on specific research and tech transfer projects



FPINNOVATIONS CAN HELP TO...

- ① **Catalyze innovation** across the forest sector value chain
- ② **Increase the utilization of available fibre**, especially under-utilized species
- ③ **Address chronic labour shortages** – potential for more high tech/higher paying jobs
- ④ **Support the development** of innovative new products and markets
- ⑤ **Inform investment decision making** with objective knowledge, research and technology transfer
- ⑥ **Help build technical and business capacity** with Indigenous forestry businesses

FOREST OPERATIONS MODERNIZATION (FORESTRY 4.0)

Improving fibre supply accessibility and utilization,
and helping to address forest sector labour shortages...

<https://www.youtube.com/watch?v=r4vhLQ8OEPO>



- Implementing modern technology and systems to support real-time decision-making
- Helping Small and Medium Enterprise harvest and haul contractors to improve their productivity and bottom line for viability and success!
- Addressing wood supply challenges with automation and improved fibre flow to company mills and wood manufacturers



Examples of success: St. Onge Logging in Sioux Lookout and Jasker Trucking in Ear Falls



SMART MANUFACTURING

Improving productivity , efficiency and the bottom line through state of the art innovations...

- Moving from a traditional milling to a modern manufacturing paradigm
- Maximizing recovery and diversification of co-products through state of the art technology (scanning, optimized cutting, sorting, and precision kiln drying)
- Ensuring the best possible use of fibre based on its characteristics and quality to maximize value



Examples of success: Lavern Heideman and Sons near Eganville and White River Forest Products in White River

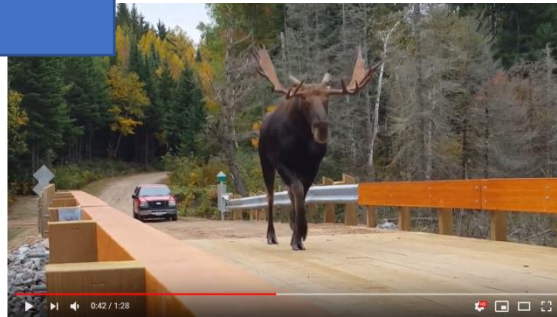


MASS TIMBER AND TALL WOOD

Increasing fibre utilization by helping to create market pull for Ontario's wood...



https://www.youtube.com/watch?v=3v5Bg_1mJVY



- Informing the codes and standards for building with mass timber and engineered wood in Ontario and across Canada
- Providing technical support to companies manufacturing engineered wood in Ontario
- Offering accredited testing for the certification of engineered wood products
- Advancing prefab and modular construction



Examples of success: First Engineered Wood Forest Access Road Bridge in Ontario at the PRF; Element 5 in St. Thomas and Timmerman Timberworks near Barrie

INNOVATIVE BIO-PRODUCTS

Increasing the use of underutilized wood fibre by developing innovative new bio-products to diversify Ontario's forest economy...



- Conducting research to derive renewable bio-chemicals from wood (lignin and sugars)
- Developing wood fibre based composites and biodegradable plastics, and work to market with an array of partners in multiple sectors
- Working with CRIBE and many partners to build a world-class Bio Economy Hub based in Thunder Bay; link the north and south



Example of success: TMP-BIO Pilot Plant now commissioned in Thunder Bay with Resolute, CRIBE , Lakehead University and many partners



Indigenous Forest Economy

Improving harvesting capacity, addressing labour shortages, and moving wood to mills and manufacturers for processing...

- Helping Indigenous entrepreneurs to build technical capacity in forestry and wood products
- Assisting Indigenous small and medium enterprises with business skills development
- Objectively informing Indigenous investment decisions based on resource availability and market potential



Examples of success: N'Swakamok Harvesting Contractor – Wikwemikong First Nation (on Manitoulin Island); Papasay Specialty Sawmill – Sand Point First Nation (near Beardmore)



FOR ADDITIONAL INFORMATION...

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