



PROMISING PARTNERSHIP: LIM GEOMATICS

Making the digitalization of the forest products value chain a reality!

Institut de recherche sur les feuillus nordiques Inc.
Northern Hardwoods Research Institute Inc.

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LIM GEOMATICS' TOOLS

Lim Geomatics and the NHRI are kindred spirits on the quest to digitally transform the forest industry. Our teams have been working together since the summer of 2019 to field test, improve and showcase Lim Geomatic's various precision forestry tools.

In 2006, Dr. Kevin Lim, President and Chief Executive Officer of Lim Geomatics, founded the company to operationalize his doctoral research on estimating the biophysical properties of forests using LiDAR data. Today, the firm has a team of developers, designers, and data scientists working from locations across Canada and from two main offices in Ottawa and Calgary. That original ethos of innovation has inspired a range of precision forestry technologies.

Developing ways for clients to maximize the value of their investments in geospatial data is also what led Lim Geomatics to put such a high premium on design. The company has user-experience designers on staff because they've learned that the more accessible the tool, the more valuable it becomes for clients.

In 2020 Lim Geomatics ranked 335th out of the 500 most innovative companies in Canada according to the **Growth List**, the definitive ranking of Canada's fastest-growing companies compiled by Canadian Business and Maclean's magazine.

"It's an honour for the Lim Geomatics team to make the 2020 Growth List," says Dr. Kevin Lim, President and Chief Executive Officer. "We've been hard at work over the last couple of years developing a set of tools that will enable the digital transformation of the forestry industry. This distinction speaks to the value and long-term prospects of our big-picture goal."



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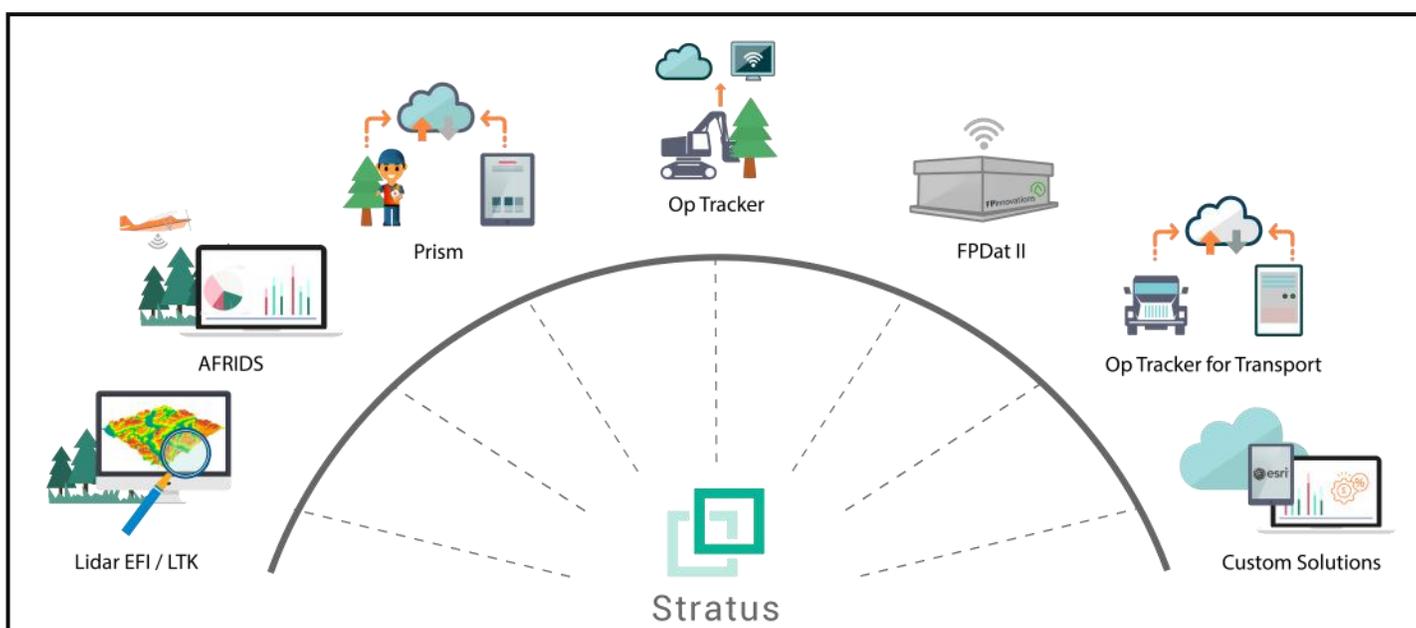
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Here are three examples of precision forestry tools created by your friendly neighbourhood innovation team at Lim Geomatics:

Stratus: They leveraged decades of forestry and geospatial domain expertise to develop this next generation asset and inventory management system. Clients can manage every step of the value chain—lidar-based inventory, cruising, road construction, wood flow logistics, short and long-term strategic plans—from one modern and intuitive interface. Stratus forms the hub of an integrated digital approach to forestry.

Prism: They developed this data collection and reporting application to meet the needs of every field-data entry aspect of the forest operations cycle. Prism was built tough and designed so it's easy to use under the canopy. It has a mobile and web component that work together to improve the quality and efficiency of data collection, from undertaking timber cruises before a harvest right through to site prep for the next fresh crop of seedlings.

Op Tracker: First released in early 2014, Op Tracker has become an indispensable tool for foresters and logging contractors across Canada and the United States. The digital solution consists of a web and a mobile application that work in tandem to provide operators and managers with the latest information from the field. The end result is more informed decision-making at every level of a harvest. We're talking right from the initial boundary marking of a block to machine operators cutting wood to frontline supervisors monitoring the harvest and all the way up to superintendents making long-term strategic plans.





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