



THE FUTURE OF WOOD CONSTRUCTION

StructureCraft will be the first company in North America to develop and automate production of dowel-laminated timber (DLT) for green construction projects.

- DLT is made by mechanically fixing laminations of dimensional lumber to each other by a series of dowels creating a high quality, all-wood product, made without nails or glue
- an automated production system will produce a higher quality product than is achievable with the existing manual processes



UTILIZING CANADA'S FORESTS: RESULTS EXPECTED

DIMENSIONAL LUMBER HARVESTED FROM WESTERN CANADIAN FORESTS INCLUDING PINE BEETLE AFFECTED FORESTS

UP TO 560,000 SQ FT OF PRODUCT PER SHIFT PER YEAR



10
NEW JOBS

INNOVATING WITH WOOD

- all-wood product, made with no nails or glue, offers a higher quality product than existing options
- this next-generation mass timber product builds on StructureCraft's work with integrated prefabricated panels and modular structures
- a valid substitute for concrete slabs and steel decking, with an appearance-grade finish for ceilings and soffits

POTENTIAL OPPORTUNITIES

ECONOMIC: MORE COST EFFECTIVE BY USING 10 TO 15 PERCENT LESS MATERIAL

MARKET: POTENTIAL FOR REUSE IN "TALL WOOD" TIMBER STRUCTURES AS PREFABRICATED FLOOR AND ROOF PANELS

ENVIRONMENT: REPLACEMENT OF CEMENT AND STEEL WITH DLT WITH HIGH CARBON SEQUESTRATION POTENTIAL



STRUCTURECRAFT IS AN ESTABLISHED DESIGNER, FABRICATOR, AND INSTALLER OF COMPLEX TIMBER STRUCTURES IN NORTH AMERICA AND ASIA

PROJECT LOCATION:
ABBOTSFORD, BRITISH COLUMBIA

This kind of innovative manufacturing using large quantities of Canadian forest products will help fuel the rapidly growing demand for advanced green building products that is revolutionizing the construction industry in North America

— Sebastian Thomas
Chief, Financial Officer
StructureCraft Builders

Investments in Forest Transformation Program: In 2010, Natural Resources Canada's Canadian Forest Service created the Investments in Forest Industry Transformation Program (IFIT) to support Canadian companies to develop and grow markets for new and innovative high-value products using Canada's forest resources. *For more information www.nrcan.gc.ca/forests/federal-programs/13139*

Cat. No. Fo4-90/2016E-PDF (Online) ISBN 978-0-660-07013-1

Aussi disponible en français sous le titre : *Le futur du parquet*

For information regarding reproduction rights, contact Natural Resources Canada at nrcan.copyrightdroitdauteur.nrcan@canada.ca.

© Her Majesty the Queen in Right of Canada, as represented by the Minister of Natural Resources, 2017



Natural Resources
Canada

Ressources naturelles
Canada

Canada