



WOODEN CAR PARTS

Tekle Technical Services (TTS) implemented a new manufacturing process to produce the world's first engineered wood fibre mat for use in automotive manufacturing and green building applications.

- process enables wood and agricultural fibre residues to be made into ultra light-weight interior trim car parts and environmentally-friendly building insulation materials
- there is a strong and growing demand in North America for automotive composite mats and green building products.



UTILIZING CANADA'S FORESTS: RESULTS EXPECTED



INNOVATING WITH WOOD

- TTS's unique technology utilizes wood and agricultural fibre to manufacture engineered mats
- large portfolio of more than 500 natural fibre blending formulas

POTENTIAL OPPORTUNITIES

ECONOMIC: SIGNIFICANT DIRECT AND INDIRECT ECONOMIC BENEFITS TO COMMUNITY

ENVIRONMENT: REPLACES FIBREGLASS AND PETROCHEMICAL-DERIVED PLASTICS WITH RENEWABLES

MARKET: STRONG AND GROWING DEMAND IN NORTH AMERICA FOR NATURAL FIBRE AUTOMOTIVE COMPOSITE MATS AND GREEN BUILDING PRODUCTS

ENVIRONMENT: 10,000 TONNES OF GHG EMISSIONS OFFSETS



TEKLE TECHNICAL SERVICES IS A FOREST PRODUCTS DEVELOPMENT AND TESTING COMPANY THAT DEVELOPS NOVEL GREEN BUILDING PRODUCTS

PROJECT LOCATION:
DRAYTON VALLEY, ALBERTA

Transforming current waste fibre into advanced and environmentally friendly biomaterials creates new revenue streams for the Canadian forest industry. It is a sound approach towards enhanced environmental and social stewardship coupled with economic advantages.

— Tamrat Tekle, President
Tekle Technical Services

Investments in Forest Industry 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*

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