



The new Lakeland sawmill supplier team

It took the teamwork, co-ordination and sound planning of a military manoeuvre to successfully and expeditiously construct the new Lakeland sawmill. The company looked close to home base for many of its key partners. Helping quarterback the new mill construction was International Quest Engineering Ltd. of Prince George as the prime consultant for engineering/civil/mechanical/structural and construction management.

Other Prince George-based companies playing key roles were: K2 Electric Ltd., electrical; R. F. Klein & Sons Ltd., site preparation; West Central Fire Protection Ltd., sprinkler system; Admiral Roof Ltd., roofing installation; Mayfair Gas & Plumbing, methane mitigation system. Allied Blower & Sheet Metal Ltd. of Surrey, B.C., provided the mill's dust collection system. Following recent industry events, Allied felt that a re-think of its combustible dust designs was in order. To meet this objective, five different new approaches to design for managing the risk of combustible dust were employed: integrated design; the mill being designed and constructed to the highest current standards; verification by a Professional Engineer that the final design/installation met or exceeded above standards; multiple levels of protection being employed to mitigate the eventuality of fire; and Lakeland and the design team collaborated to develop several new approaches to combustible dust mitigation.

Associate consultants on the work included: Westwood Engineering Ltd., Vernon, B.C., electrical (Westwood's services included 12.5kV and 480V power distribution, power system studies, grounding, complete equipment specifications including Class II Division 2 requirements, MCC/VFD design, lighting systems and cable tray); Pacificon Systems Ltd., Burnaby, B.C., electrical controls/programming; Woodpro Engineering Ltd., Prince George, engineering structural/steel detailing; Stolberg Engineering, Richmond, B.C., engineering mechanical/structural, block storage/waste conveyors; Geonorth Engineering Ltd., Prince George, engineering civil/ground preparation; Murray Johnson Engineering Ltd., New Westminster, B.C., engineering, fire protection system; Mirkwood Engineering Ltd., Calgary, engineering heating/ventilation/air conditioning; Scouten & Associates Engineering Ltd., Prince George, septic systems/ foundations; AZ Petro Energy Enterprise Ltd., Nanaimo, B.C., design compressed air system; Wolftek Industries Inc, Prince George, drafting, mechanical/structural debarker infeed decks; Techfor Services Ltd., Kamloops, B.C., drafting, mechanical/structural debarker infeed conveyors, and RC Design, Prince George, elevation/drainage/grading.

Other services co-ordinated through Lakeland's staff included:

Wellons, (engineering) Surrey, B.C., mill heating system; Allied Blower, (engineering) Surrey, B.C., dust collection system; HDR Engineering, Vancouver, methane mitigation system; McElhanney Engineering, Prince George, surveying, site locales/parking.

Also among the Prince George-based companies playing key roles was Salem Contracting Ltd., (mechanical). Salem Contracting has the manpower to complete projects of all sizes, and the company's fleet of mobile cranes ranging from 22 ton up to 150 ton allows it to handle lifts of all sizes quickly, efficiently and safely. The company also has an in-house fabrication facility allowing it to fabricate the needs of a project in a cost effective and timely manner.



Additional suppliers for the new Lakeland mill:

Linden Fabricating: Step feeder

Nicholson Manufacturing: Debarkers

Price LogPro: Merchandisers

MDI: Metal detector

USNR: Optimizing and primary breakdown equipment

Comact: Sweep sawing, grader optimizer upgrades

Springer Microtec: Wane scanning and optimization

WaneShear: Edger

Mill Tech Industries: Scanning equipment, sorter

Allied Blower: Dust extraction and cyclone system

Versatile Fab and Machine: Conveyors and steel fabricating

CAN-AM CHAINS: Mill Chains

SM-Cyclo: Enclosed reducers with high efficiency motors

Arrow Speed Control: Mitsubishi Hyper-Drive

DAGR Industrial Lighting: LED lighting system

ScanMeg: Scanners

Skeans: Air system at the front end

Baldor: High efficiency motors

Andritz Iggesund: Chipping heads

Simonds: Saws

Reform: Grinders



Vollmer: Rebuilt top and face grinders

Gerling: Mill blade tipper

Delta Computers: Control systems

Siemens: Fire alarm system

Western Belting: Belting and product installation

Williams Equipment: Equipment rental

Western One: Equipment Rental

BRUNETTE INDUSTRIES: Vibrating Conveyors