

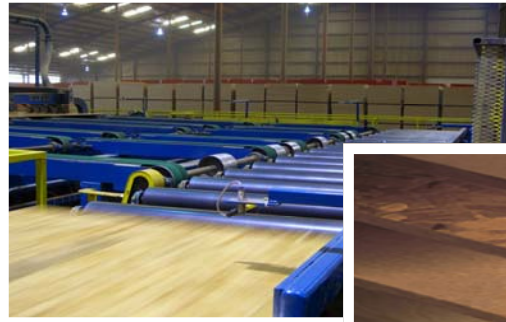


# FROM THE GROUND !



**OSB & PARTICLE BOARD  
MDF, DOORSKIN**

**LVL, LSL, I-BEAM  
VALUE ADDED**



**ENGINEERED WOOD  
EQUIPMENT & PROCESS  
AUTOMATION CONTROL**

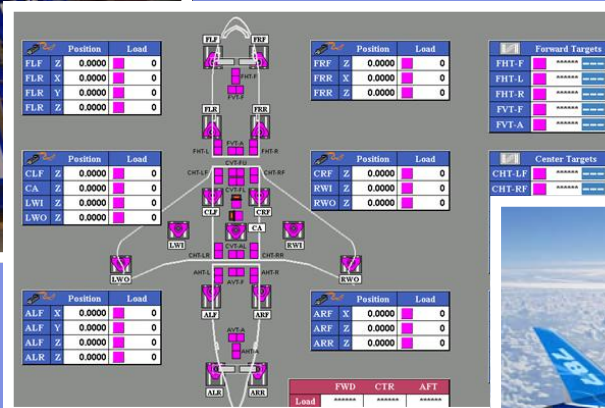


**SINCE 1976, OVER 80 MAJOR PROJECTS ON 5 CONTINENTS**



**AEROSPACE TOOLING,  
AUTOMATION & PROCESS CONTROL**

**FOR THE  
COMMERCIAL  
AIRLINE INDUSTRY**



**CONTACT US:**

Phone: 604-731-1411

Fax: 604-940-3844

E-mail: [its@itsautomation.ca](mailto:its@itsautomation.ca)

Web: [www.itsautomation.ca](http://www.itsautomation.ca)



# UP !

**COMPANY NAME:** ITS Automation & Controls Inc.  
**Ste 202, 7562 Progress Way**  
**Delta, BC Canada V4G 1E9**  
**Telephone: (604) 731-1411**  
**Fax: (604) 940-3844**  
**Email: [its@itsautomation.ca](mailto:its@itsautomation.ca)**  
**Website: [www.itsautomation.ca](http://www.itsautomation.ca)**

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### **COMPANY PROFILE**

ITS Automation & Controls Inc. offers consulting, system design and start-up services covering the electrical engineering design and implementation of a wide range of industrial processes.

Our services cover items such as:

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| DESIGN     | All design/drafting aspects of power distribution, lighting, control and instrumentation systems utilizing advanced technology and innovative system design. All necessary programming of programmable controllers (PLC's), microprocessor based instrumentation and man-machine interfaces (HMI) and networking. |
| COMMERCIAL | All electrical equipment bid specifications, bid comparisons and purchase specifications. Preparation of installation bid package and installation bid comparison.  |
| FIELD      | Installation supervision, start-up assistance and project management.   |

The company has been providing these services since 1976 and has presently ten (10) staff members. The principals include **Luke Doerksen**, C.Tech, **Miki Tompa**, P.Eng, **Nick Mastrangelo**, Inst. Eng.

The three principals, combined offer more than 60 years of design and start-up experience in a variety of fields but have been very active in the forest related industries, such as LVL, I-Beam Assembly, Particleboard, Flake Board and Fiber Board plants.

ITS Automation & Controls Inc. ability to provide a team of professional engineers and designers with experience gained over many years of working in this particular industry has given us the in-depth understanding of what it takes to design and construct a successful plant.

ITS Automation & Controls Inc. has also worked very closely with all major equipment vendors in the Engineered Wood industry, providing complete electrical engineering and automation packages.

Based on ITS Automation & Controls Inc. in-depth knowledge of equipment control, they have branched out, developing control systems for the Aerospace industry, and Aerospace Tooling manufacturers.

The company's focus is on the implementation of cost effective power, control instrumentation, PLC, HMI and MES systems, best suited for the project on hand. Our goals are realized through close communication with clients and all equipment suppliers involved, as well as on site start-up assistance. This formula has proven to be the base for a successful plant start-up and operation, and ultimately, satisfied and repeat clients.

The list of satisfied and repeat clients includes some of the most successful companies in the industry such as Louisiana Pacific, Weyerhaeuser, Masonite, Georgia Pacific, Boise Cascade, Fletcher, Norbord, Potlatch Corp., Boeing, Spirit AeroSystems and many others throughout North America and throughout the world.

We will gladly supply you with further detailed information and references on past or present projects, performances and resumes of principals and staff members upon request.

We are looking forward to the opportunity of discussing any queries you may have regarding how our company's services could be applied to your requirements and our possible future working relationship.

For additional information, please contact:

Luke Doerksen, C.Tech

Nick Mastrangelo, Inst.Eng.

Miki Tompa, P.Eng.

## Projects Reference List

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| 1.  | Alberta Energy<br>Blue Ridge, AB, Canada                    | MDF Plant<br>Overall Electrical Engineering  |
| 2.  | Allegheny Particleboard<br>Mt. Jewett, PA, USA              | Particleboard Plant<br>Overall Electrical Engineering  |
| 3.  | Atlantic Waferboard<br>Chatham, NB, Canada                  | Waferboard Plant<br>Thermal Oil System   |
| 4.  | Boise Cascade Corp.<br>Boise, ID, USA                       | Wood Fiber Plastic, Pilot Plant<br>Overall Electrical Engineering                                  |
| 5.  | Boise Cascade Corp.<br>Elma, WA, USA                        | WPC – Wood Plastic Composite<br>New Facility/Process<br>Building Siding Plant – Overall Electrical |
| 6.  | CanFibre<br>Riverside, CA, USA                              | MDF Plant<br>Sander System   |
| 7.  | Canfor<br>Vancouver, BC, Canada                             | Fibre Mat Molding Plant<br>MDF and Manmade Fibre   |
| 8.  | Canpar, Ltd.<br>Grand Forks, BC, Canada                     | Particleboard Plant<br>Addition of complete new production line                                    |
| 9.  | CSR – Tumut<br>NSW, Australia                               | MDF Plant<br>Overall Electrical Engineering  |
| 10. | CSR – Ipswich<br>QLD, Australia                             | MDF Plant<br>Overall Electrical Engineering  |
| 11. | Finnforest / LP<br>Kingslynn, UK                            | I-Beam Assemble Plant<br>Overall Electrical Engineering  |
| 12. | Forex Industries<br>Maniwaki, QC, Canada                    | MDF Plant<br>Heat Source, Thermal Oil Heating  |
| 13. | Georgia Pacific- Flakeboard<br>Sault Ste. Marie, ON, Canada | MDF Plant<br>Overall Electrical Engineering  |
| 14. | Georgia Pacific<br>Monticello, GA, USA                      | MDF Plant – Mende Line<br>Production Line Addition   |
| 15. | International Paper Masonite<br>Carrick-on-Shannon, Ireland | Doorskin Plant – Line 1 and Line 2<br>Overall Electrical Engineering                               |

16.	International Paper Masonite Laurel, MS, USA	Doorskin Plant Line 3
17.	International Paper Masonite Cordele, GA, USA	Waferboard / MDF Overlay Panel Coat and Paint Lines
18.	International Paper Marion, SC, USA	WPC – Special Products Pilot Plant Addition
19.	James Hardie Blandon, PA, USA	Siding Power Distribution Design
20.	JM Huber Whites Creek, TN, USA	OSB Plant Finishing Line Design & Programming
21.	Langboard Inc. Willacoochee, GA, USA	MDF Plant Overall Electrical Engineering
22.	Langboard Inc. Valdosta, GA, USA	Waferboard Plant Bark Burning and Thermal Oil Heating System
23.	Louisiana Pacific Corp. Oroville, CA, USA	MDF Plant Production Line addition
24.	Louisiana Pacific Corp. Newberry, MI, USA	MDF Plant Overall Electrical Engineering
25.	Louisiana Pacific Corp. Dawson Creek, BC, Canada	Waferboard Plant Overall Electrical Engineering
26.	Louisiana Pacific Corp. Sagola, MI, USA	Waferboard Plant Overall Electrical Engineering
27.	Louisiana Pacific Corp. Tomahawk, WI, USA	Waferboard Plant Overall Electrical Engineering
28.	Louisiana Pacific Corp. Fernley, NV, USA	LVL Plant Overall Electrical Engineering
29.	Louisiana Pacific Corp. Fernley, NV, USA	LVL Plant (Line 2) Addition Overall Electrical Engineering
30.	Louisiana Pacific Corp. Wilmington, NC, USA	LVL Plant (Line 1 and Line 2) Production Line Addition
31.	Louisiana Pacific Corp. Waterford, Ireland	OSB Plant Overall Electrical Engineering

32.	Louisiana Pacific Corp. Swan River, MB, Canada	OSB Plant Overall Electrical Engineering
33.	Louisiana Pacific Corp. Athens, GA, USA	OSB Plant Finishing Line Design & Programming
34.	Louisiana Pacific Corp. Carthage, TX, USA	OSB Plant Finishing Line Upgrade/Modification
35.	Louisiana Pacific Corp. Jasper, TX, USA	OSB Plant Finishing Line Upgrade/Modification
36.	Louisiana Pacific Corp. Hayward, WI, USA	EWP – Trim Product Finishing Line Upgrade/Modification
37.	Louisiana Pacific Corp. Thomasville, AL, USA	OSB Plant Finishing Line Design & Programming
38.	Martco Limited Partnership Lemoyen, LA, USA	OSB Plant Finishing Line Design & Programming
39.	Martin Lumber Company Alexandria, LA, USA	Waferboard Plant
40.	Masonite International Laurel, MS, USA	Doorskin Plant – Line 1 & Line 2 Overall Electrical Engineering
41.	Masonite International Laurel, MS, USA	Computerized/Automated Doorskin Paint Line
42.	Medite of Europe Clonmel, Ireland	MDF Plant Overall Electrical Engineering
43.	Norbord Industries Inverness, Scotland	OSB Plant Heat Source, Bark Burning, Thermal Oil Heating System
44.	Norbord, (formerly I.P. Masonite) Cordele, GA, USA	Structural Engineered Timber Products Pilot Plant Overall Electrical Engineering
45.	Paragon Panels of Alabama LLC Clayton, AL, USA	MDF Plant Design & Programming for Refiner Area
46.	Potlatch Corporation Bemidji, MN, USA	Waferboard Plant (Original Plant) Overall Electrical Engineering
47.	Potlatch Corporation Cook, MN, USA	Waferboard Plant (Original Plant) Overall Electrical Engineering

48.	Potlatch Corp. Bemidji, MN, USA	Waferboard Plant New Line Addition
49.	Potlatch Corporation Cook, MN, USA	OSB Plant Line 2 Overall Electrical Engineering
50.	Rexwood New Liskeard, ON, Canada	Particleboard Plant Bark Burning and Thermal Oil Heating System
51.	Saskfor, MacMillan Bloedel Hudson Bay, SK, Canada	OSB Plant Sawing/Board Handling and Heat/Energy System
52.	Shendor Shenyang, China	MDF Plant Design & Programming
53.	SierraPine Rocklin, CA, USA	MDF Plant Refiner Addition
54.	TAFISA Canada Lac Mégantic, QC, Canada	OSB Plant Dryer System Line 1 and Line 2
55.	TAFISA Canada Lac Mégantic, QC, Canada	OSB Plant Dryer System Line 1 Rebuild
56.	Trust Joist MacMillan East Kentucky, USA	LSL Plant Overall Electrical Engineering
57.	Uniboard Canada Inc. Sayabec, QC, Canada	MDF Plant Dryer System Design & Programming
58.	Voyageur Panel/Boise Barwick, ON, Canada	OSB Plant Overall Electrical Engineering
59.	WestPine MDF Quesnel, BC, Canada	MDF Plant Overall Electrical Engineering
60.	Weyerhaeuser Corp. Marshfield, WI, USA	Sander Line (Addition)
61.	Weyerhaeuser Corp. Moncure, NC, USA	Particleboard Plant Power Distribution and medium voltage motors and controls
62.	Weyerhaeuser Elkin, NC, USA	OSB Plant Dryer, Heat Source and Flaker Addition and Optimization

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| 63. | Weyerhaeuser Corp.<br>Heaters, VA, USA           | OSB Plant<br>Drying and Heat Source System   |
| 64. | Weyerhaeuser<br>Edson, AB, Canada                | OSB Plant<br>Finishing Line Design & Programming   |
| 65. | New Wood Corporation<br>Elma, WA, USA            | WPC Facility – Plant Re-Start<br>HMI Control Platform & Historian Upgrade.<br>Programming & Production Site Support<br>during facility re-start.   |
| 66. | Uniboard<br>Moncure, NC, USA                     | MDF Plant Relocation<br>Detailed Electrical Engineering & Design   |
| 67. | Oris, LLC<br>Tchaikowsky, Russia                 | OSB Plant<br>Electrical Design of Resin & Wax System.<br>Vendor Electrical Documentation Review &<br>Approval.   |
| 68. | Masonite International<br>Laurel, MS, USA        | Doorskin Plant<br>MACT Compliance Upgrade Electrical<br>Engineering & Software Development for<br>Flue Gas Bio Scrubber & HEP Fuel<br>System.<br>Operator Training via Simulation Package<br>EPSS™ via Virtual Environment |
| 69. | Masisa<br>Montenegro, RS, Brazil                 | PLC & HMI Re-Programming of Press<br>Outfeed and Finishing Line Equipment  |
| 70. | KiOR Inc.<br>Columbus, MS, USA                   | Bio Fuel Plant<br>Electrical Controls Design, PLC & HMI<br>Programming for Green End, Dryer &<br>Hammer Mills Processing Areas   |
| 71. | Flotech<br>Michigan, USA                         | Bio Gas Equipment<br>Electrical Design of Bio Gas Compression<br>System  |
| 72. | Lee Energy Solutions<br>Guntherville, AB, Canada | Pellet Plant<br>Field Commissioning and Dryer Start-Up   |
| 73. | Geneva Wood Fuels LLC<br>Strong, ME, USA         | Pellet Plant<br>Electrical Controls Design, PLC & HMI<br>Programming for Dryer System  |



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| 74. | Mt. Lehman Greenhouses<br>Mt. Lehman, BC, Canada   | Electrical Design, PLC & HMI<br>programming of Flue Gas abatement<br>equipment.   |
| 75. | Rainbow Greenhouses<br>Chilliwack, BC, Canada      | Electrical Design, PLC & HMI<br>programming of Flue Gas abatement<br>equipment.   |
| 76. | Vander Meulen Greenhouses<br>Abotsford, BC, Canada | Electrical Design, PLC & HMI<br>programming of Flue Gas abatement<br>equipment.   |
| 77. | Spirit AeroSystems<br>Wichita, KS, USA             | Boeing 787 Production Equipment:<br><ul style="list-style-type: none"> <li>- Nose Piece Mandrill Rotational Tool</li> <li>- Automated Scaffolding</li> <li>- Process Automated Pneumatic System</li> <li>- Composite Forming Production<br/>Equipment</li> </ul>  |
| 78. | Spirit AeroSystems<br>Kinston, NC, USA             | Boeing 787 Production Equipment:<br><ul style="list-style-type: none"> <li>- Process Automated Pneumatic System</li> </ul>  |
| 79. | Boeing<br>Everett, WA, USA                         | Boeing 777 Production Equipment:<br><ul style="list-style-type: none"> <li>- Main Landing Gear Loader</li> <li>- BPS Lean Automated Production Line<br/>Electrical Design</li> <li>- Wing Body Join Tooling Electrical<br/>Design &amp; HMI Programming</li> <li>- Final Body Join Tooling Electrical<br/>Design</li> <li>- Equipment &amp; Personal Material Lifter<br/>PLC &amp; HMI Programming</li> </ul> |
| 80. | Boeing<br>Renton, WA, USA                          | Boeing 737<br><ul style="list-style-type: none"> <li>- Wing to Body Join Tool Electrical<br/>Design, PLC/HMI Software Development</li> </ul>  |
| 81. | NASA   | Automated Tooling Electrical Design   |
| 82. | EMBRAER  | Automated Tooling Electrical Design   |
| 83. | Maple Leaf Foods<br>Ontario, Canada                | Hot Dog Accumulation System<br>Electrical Design, PLC & HMI<br>Programming  |