Around the world today, thousands of wood products businesses are optimizing their manufacturing processes by implementing Lean tools and principles within their organizations.

View your operations from a new vantage point and determine how waste can be eliminated through the Lean process.

Transform your organization’s way of thinking in order to effectively execute and sustain the Lean Manufacturing journey.

Discover how Lean Manufacturing can help all of your wood manufacturing business processes.
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Lean is a systematic approach to identifying and eliminating non-value-added activities, and is focused on customer demand and customer value. Those working in a Lean enterprise system need to understand the Lean tools that are available and recognize how they are used to address specific issues within the total system. The training provides an overview of the Lean tools used for planning, stability, continuous flow, synchronous flow and production leveling.

The Lean approach is the most comprehensive business management improvement initiative because it simultaneously addresses customers, products, quality, processes, throughout the organization. FPInnovations has developed a unique series of continuous improvement tools that have been designed exclusively for the wood products industry. Participants will learn:

- The key Lean Manufacturing principles and practical ways to implement them in their organization
- How to eliminate the different types of waste in their operation
- Kaizen, 5S and other Lean Manufacturing tools to guide improvement efforts
- How to adapt Lean tools into your business processes immediately
- Lean Manufacturing operational metrics that all employees can use to measure success in the plant

Companies implementing Lean as a system have seen benefits in:

- Decreased lead times
- Improved margins
- Increased floor space utilization
- Improved inventory management
- Improved company culture & communication

Want to Get Started?

One Day Introductory Workshop: Get a taste of what Lean can do for your business!

This workshop and simulation game is an ideal introduction to Lean Manufacturing. In it, participants operate a simulated factory and then redesign it with newly learned Lean Manufacturing principles. The participants then operate their new factory to measure, see and experience the results.

The seminar explains basic principles, elements, techniques and how they interact. It provides the emotional and intellectual framework for understanding Lean.

In-house Lean Assessment: Want to know where you stand?

In this Lean Assessment, FPInnovations works with your management team as 18 key areas of Lean Manufacturing practices are investigated.

The search for factual data begins a paradigm shift for both individuals and the organization. Through the Assessment, managers begin to understand the interactions between manufacturing system elements and take the first step towards Lean Manufacturing.

The Assessment is designed to create workplace understanding through awareness of specific concepts and techniques and progressively move you forward with Lean implementation.
At the core of every manufacturing organization, a corporate strategy that guides how it intends to sustainably make money is needed. Global leaders in manufacturing continue to invest to improve their product lifecycle to achieve the most effective results. A growing strategy commonly used revolves around the cyclic process of:

- Innovation
- Implementation
- Optimization
- Sustaining

**Five Principles of Lean Manufacturing:**

The five-step thought process for guiding the implementation of Lean techniques is easy to remember, but not always easy to achieve:

1. Specify value from the standpoint of the end customer by product family.
2. Identify all the steps in the value stream for each product family, eliminating whenever possible those steps that do not create value.
3. Make the value-creating steps occur in tight sequence so the product will flow smoothly toward the customer.
4. As flow is introduced, let customers pull value from the next upstream activity.
5. As value is specified, value streams are identified, wasted steps are removed, and flow and pull are introduced, begin the process again and continue it until a state of perfection is reached in which perfect value is created with no waste.

Half-day Lean Manufacturing Strategy Session:

Value Stream Mapping
- Waste Identification
- Value Added /Non-Value Added
- Simulation
- Measurements

TWI (Training Within Industry)
- JMT (Job Methods Training)

Work Flow Analysis
Scheduling
**Continuous Flow**
- Cellular Manufacturing
  - Product Matrix
  - Cellular Flow
  - Right Size Equipment
  - Sensible Automation
  - Takt Time
- Setup Reduction
  - SMED
- Quick Changeover
- Total Preventative Maintenance
- Safety

**Pull System**
- One Piece Flow
  - One Piece Flow
  - Pull Production
- Kanban
  - Designing The Kanban System
  - Demand & Supply Analysis
  - Signaling
  - Establishing Stock points
  - Estimating Kanban Quantities
- Lean Enterprise
  - Supply Chain Management
  - Design
  - Accounting
  - Project
  - Construction
  - Sales
  - Just In Time

**Seek Perfection**
- Quality System
  - Autonomous Control (Jidoka)
  - Employee Empowerment
  - Standard Work Instructions
  - Mistake Proofing (Poka-Yoke)
  - Inspection
  - Statistical Process Control
  - Quality Functional Deployment
- Huddle Board Suggestion System
- Coaching and Mentoring
- Leadership Development
- Gain share
- TWI (Training Within Industry)
  - Problem Solving

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**Our Lean Team**
The FPInnovations team consists of some of the most knowledgeable and experienced professionals in the wood industry. They emphasize a "hands-on" approach, implementing Lean in complex operations. As teachers and mentors to the executives they serve, they provide the strategic and technical education required for their clients’ cultural transformation. The team directs companies away from random point Kaizen into structured value stream results.

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**INNOVATION IS OUR NAME**
FPInnovations further the competitiveness of the Canadian wood products industry with relevant technical solutions, product development advice, market intelligence and economic studies.

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