



Reach new heights with the Lean Certification Series

Presented by:



A center of the:



In partnership with:



WISCONSIN
INDIANHEAD
TECHNICAL
COLLEGE

January 19 - March 1, 2010
Space is limited; register today!

Sessions will be held at:
Wisconsin Indianhead Technical College
Rice Lake Conference Center
1900 College Drive
Rice Lake, WI 54868-2496

*“The lean tools we learned have
been invaluable.”*

—Barb Goodlet, Production Planner
Cardinal Glass

<http://nwmoc.uwstout.edu>

High Impact...

Our high-impact Lean Certification is offered through a partnership with the Northwest Wisconsin Manufacturing Outreach Center, headquartered at the University of Wisconsin-Stout, and Wisconsin Indianhead Technical College. *NWMOC Lean experts* who spend their days working with manufacturers around the state come to the classroom to deliver *targeted training* with *real-world application*. Their expertise and hands-on experience working with manufacturers on the shop floor and in office environments will provide you with answers and solutions that you can immediately put into practice. Lean manufacturing is changing businesses around the world through techniques that translate directly into bottom-line profits. It is not uncommon for manufacturers to save \$10,000 to \$100,000 or even more by implementing simple lean manufacturing techniques.



New in 2010

An outstanding series just got even better for 2010! We have made some exciting program changes that address industry trends and the needs of our participants to provide the greatest value possible. Our improved program now includes:

- **Recognizing the green benefits of Lean**
- **Coinciding individual projects & training sessions** to provide you with a finished project at the end of the series.
- **New simulations**

"The lean tools we learned have been invaluable. You may not have felt your impact beyond the state of Wisconsin, but the principles that we employ at Amery have also helped us set up our sister plant in Ocala, Florida, with the same lean tools, measures and production systems. Indirectly, you're helping us in Florida as well. Our workforce is confident in the benefits of lean and the new production software system. Change has become the standard here, and the production floor employees now push us."

—Barb Goodlet, Production Planner
Cardinal Glass

Who should attend?

The Lean Certification Series is designed for individuals charged with leading the implementation of Lean within their organization, resident experts, or those advancing within the organization.

What will my company gain?

Lean implementation at your company will have a dramatic impact on your top and bottom line. Some of the gains you may experience follow:

- **Dramatically shrink lead times** by up to 90%
- **Identify company-wide improvement opportunities**
- **Reduce work in process by 90%**
- **Reduce set-up time**
- **Save turnover expenses**
- **Reduce water consumption by 46%**
- **Increase OEE (overall equipment effectiveness) by 45%**
- **Increase customer satisfaction and improve relationships**
- **Increase profits and growth**
- **Experience continued success** (rather than single project success)

Highly Recommended...

nexen.

www.nexengroup.com

Nexen Group, Inc.
26837 Industrial Avenue
Webster, WI 54893
715 866-4298

The best training I almost didn't attend

Our company had always been an early adopter of continual improvement, cellular manufacturing, JIT, etc. So for the past several years, I had been curiously exploring LEAN – it sounded like good stuff.

The disconnect came with the LEAN evangelists I seemed to hook up with. I would go to networking sessions, seminars, plant tours, etc. The experience was generally the same. A consultant would be waxing on about how smart they were (and I was not), how you need to “drink the Kool Aid” (embrace every lean principle without question), and how little time we had left if we didn't change.

I started thinking, maybe they are right – I am a deeply flawed individual. Still, LEAN sounded like good stuff. So when I saw that NWMOC was offering LEAN Certificate training, I was intrigued. I checked it out. I called references. I signed up for the class.

I started the class as a skeptic. I quickly learned that not only do these people know their business, they are grounded in common sense. I learned that we are on a *journey* of continual improvement, and LEAN provides tools that we can use in ways that make sense to us - in our way and on our timetable.

In the past, I felt as if I could never satisfy the LEAN gods. After NWMOC training, I found myself saying we can do more, and I have good tools to help me. I couldn't wait to send more employees to their training. It has helped us substantially. I'm glad I didn't dismiss LEAN too quickly.



Dan Conroy
Operations Manager
Nexen Group, Inc

Highly Valuable Tools...

Series Content

Session 1: Principles of Lean Manufacturing & Project Visioning

This first workshop introduces a systematic approach to eliminating waste in manufacturing processes. Live simulations provide realistic before and after scenarios.

Session 2: Value Stream Mapping & Project Identification and Charter Development

VSM is a method you can use to visually depict material and information flow through an operation. You will gain the ability to map your real work processes. This session includes both shop floor VSM and administrative VSM examples and discussion. With the mentoring of an NWMOC project manager, you will define your project and develop your project charter. This charter will include the project scope, time frame, participants, resources, and more.

Session 3: The 5S System & Project Mentoring

Learn how to employ 5S methods and implement visual workplace techniques and standardization in your operations. Project managers will provide feedback and guidance on the progress of your project.

Session 4: Total Productive Maintenance/Quick Changeover & Project Mentoring

Learn to analyze Overall Equipment Effectiveness to determine how much equipment time is being used effectively. You will build on the principles of the Single Minute Exchange of Dies (SMED) system to dramatically reduce or eliminate changeover time. The 4-step Changeover Improvement Process is used to help companies design no-cost/low-cost solutions to reduce changeover time. The green benefits associated with these methods will be brought to light. Learn how your company can be classified as green through the discovery of electricity savings and metrics associated with these key green components. Project managers will provide guidance on your project and provide insight for successful completion and reporting to management.

Session 5: Principles of Cellular Flow Manufacturing & Project Reporting

When processes are balanced, the product flows continuously and customer demands are easily met. Cellular/Flow Manufacturing links manual and machine operations into the most efficient combination of resources to maximize value-added content while minimizing waste. This workshop is enhanced with an emphasis on standardized work and work balancing. You will provide a brief report on the status of your project and gain insight and suggestions from NWMOC project managers and other attendees.

Session 6: On-site Individual Project Report-out Presentation

Within three weeks of the final class, the lean certification participant will provide a report on their individual company project to the on-site management, NWMOC director, and an NWMOC project manager.

Hands On



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High Return on Investment...

Obtaining Lean Certification

To earn the Lean Certification, you must understand the cornerstone principles of Lean by completing five full-day Lean workshops that include hands-on simulations and individual project mentoring. Within three weeks of the final class, you must gain approval of your final project through an on-site presentation to company management, the NWMOC director, and an NWMOC project manager. Individuals who achieve lean certification utilize applied knowledge and real-world experiences. Afterwards, you will be ready to lead your company through ongoing improvements that directly affect the bottom line. The on-site lean certification project is coordinated on an individual basis and includes mentoring by an NWMOC project manager throughout the lean certification series.

2010 Schedule

Sessions run from 8:00 a.m. to 4:00 p.m. at the WITC Rice Lake Conference Center.

Tuesday, January 19 • Principles of Lean Manufacturing
Tuesday, January 26 • Value Stream Mapping
Tuesday, February 2 • The 5S System
Monday, February 15 • Total Productive Maintenance / Quick Changeover
Monday, March 1 • Principles of Cellular Flow Manufacturing

Continuing Education Units

This program qualifies for Continuing Education Units (CEUs) through the University of Wisconsin-Stout.

For More Information:

Contact the NWMOC office at:

UW-Stout

278 Jarvis Hall

Phone 866.880.2262

Email standaerta@uwstout.edu

Registration and Fees

\$1,900 per person includes five full day workshops, on-site individual project and mentoring, course materials, refreshments, & lunch.

Send three or more individuals from the same organization and save \$100 per person. (\$1,800 per person)

Mail

Registration form and registration fee to:
UW-Stout
NWMOC
278 Jarvis Hall
410 10th Ave E
Menomonie, WI 54751

Phone

866.880.2262

Email

standaerta@uwstout.edu

Name _____
Job Title _____
Company Name _____
Address 1 _____
Address 2 _____
City, State, Zip _____
Phone _____ Fax _____
Email _____

