

Lean And Green Manufacturing Seminar



Lean and Green Manufacturing

Overview

Lean and Green Manufacturing is defined as the beginning of a journey to operate a business model that embodies cost effective work processes that will promote efficient work practices and enhances staff productivity to deliver the best value of a product to a paying customer while reducing the carbon footprint of the organization.

Best value to a customer can be:

- *the speed in which the product is delivered to meet customer demand*
- *the quality of the product*
- *the ability of the product to meet specifications*
- *minimal defects in the delivered product which also means minimal reworks*
- *timely delivery of the product according to agreed timelines*

The journey does not end as the destination is the development of a work culture that strives for continuous improvement in work processes in pursuit of perfection.

The concept of Lean and Green Manufacturing combines the use of both **Lean Manufacturing and Eco-mapping** tools and methodologies to design and implement lean work processes that will eliminate waste and reduce environmental impacts in work practices and plant operations. The elimination of waste will reduce cost necessary to deliver a product that correctly meets specifications defined by the customer.

The reduction of environmental impacts will develop a work environment where employees are able to work in toxic free environments and companies will develop a positive impact for their communities.

The ultimate measure of the successful implementation of the concept will be in the achievement of Key Performance Indicators (KPIs) and the embedding of the drive for continuous improvement in pursuit of perfection. The challenge will be to achieve this without compromising the quality of product to the customer.

Deployment mechanism

Successful deployment of Lean and Green Manufacturing requires transformational leadership from management to operational staff levels. Success will also bring about the growth and sustainability of core competencies for all levels of management and staff.

Effective deployment of Lean and Green Manufacturing therefore requires the training of all impacted management and operational staff in the new competencies.



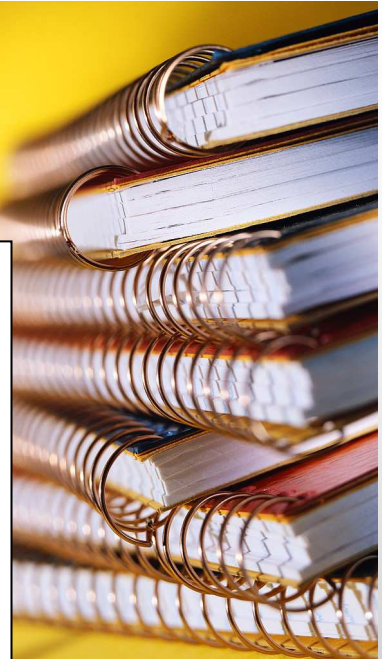
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Training

As supervisors and line leaders are critical to the successful implementation of all work improvement projects, it is necessary that they attend the appropriate Lean training to develop their skill and knowledge as practitioners in the use of Lean tools and methodologies.

The training will be conducted with a paced approach in which every building block of Lean and Green Manufacturing will be explained and an interactive training session will follow the educational program.



Certification

Upon successful completion of the training program, the participants will perform a certification test.

Additional course models will provide education and training for Green Manufacturing and Green Management.



Lean Methodology Training and Certification

A 2 day workshop type training that combines lecture with interactive hands-on exercises and games to demonstrate the application of the Lean Manufacturing methodologies.

Day 1 Programme

9am – 9.30am	Class introduction and ice-breaker
9.30am - 10 am	Lean Manufacturing and Lean Management Building blocks.
10am – 10.15am	COFFEE BREAK
10.15am – 12pm (Short breaks during session)	7 Wastes of Lean The base level of Lean Manufacturing Standardized Work Visual Interfaces Workplace Organization Plant Layout (Workcells) 5S and standardized work game
12 pm – 1pm	LUNCH BREAK
1pm – 4pm	Quality Control KanBan or Pull Systems Point of Usage Storage The assembly game

Day 2 Programme

9am – 9.30am	Review of Day 1 topics
9.30am - 10 am	Set Up Reduction TPM
10am – 10.15am	COFFEE BREAK
10.15am – 12pm (Short breaks during session)	Poka Yoke Batch Reduction KPI's
12 pm – 1pm	LUNCH BREAK
1pm – 2pm	Jidoka – Autonomation Andon – Trouble lights
2pm –4pm	Continuous Improvement KaiZen Events JIT Management The Theory of Constraints Value Stream Mapping, Theory Workstation Design (Ergonomics)
	Training session review Questions
4pm – 5pm	Lean certification process



Green Manufacturing Training and Certification

A 1 day workshop type training that combines lecture with interactive hands-on exercises and games to demonstrate the application of Green Manufacturing based on Lean thinking and a Lean Environment.

Programme

9am – 10am	Class introduction and ice-breaker Lean vs. Green Manufacturing
10am – 10.15am	COFFEE BREAK
10.15am – 12pm	Eco-Mapping Waste, Energy, Waste & Wastewater Soil and Groundwater, Air – Dust – Odour Noise, Risks – Health & Safety
12 pm – 1pm	LUNCH BREAK
1pm – 4pm	Eco Mapping Exercise Eco-KaiZen process Action plan and goals Green Management Review Questions
4pm – 5pm	Green Manufacturing Certification



Training and Certification Program Costs

Lean Training and Certification	\$ 390 per participant	Min. group size 12 participants. Max. group size 15 participants
Green Manufacturing Training and Certification	\$ 190 per participant	Min. group size 6 participants

Training will be provided on Tuesdays/Wednesdays or Wednesdays/Thursdays to allow participants to commence their normal business activities.

Coffee is included in the program costs.

Training sessions will be provided in a neutral conference center closely located to the company locations.

Prices above are valid for the lower mainland, BC, Canada.

If the training location is outside Lower Mainland, BC, Canada, Airfares (Economy Class) and Hotel charges apply.

All prices exclude applicable taxes.

