



- advanced executive education -

Maximising Operational Excellence Through

Next Generation LEAN MANUFACTURING

3-4-5 February 2010 – Cape Town

100% Reduction of Customer Returns
35%+ Saving of Wasted Manpower Time
85% Reduction of Setup Time
95% Reduction of Lead Time
83% Reduction of Inventory

The key behind these astonishing figures?

One Robust Principle...LEAN

NEXT GENERATION LEAN MANUFACTURING - A Training Course Developed By:

Carlo Scodanibbio – Tel: 021 4249556 – Mob: 083 2587128 – email: carlo@scodanibbio.com

The Fact .

"The US financial crisis has spiralled into 'the largest financial shock since the Great Depression' and there is now a three-in-four chance of a full-blown global recession."

Manufacturers seeking to exploit global markets, will soon be hitting an 'invisible' but nonetheless debilitating wall; mounting complexity across the value chain and lacklustre business performance. As the economic pendulum swings on the opposite direction, cost cutting pressures are very likely to put Lean Thinking back in the spotlight.

DIFFICULT TIMES DEMAND LEANER OPERATIONS

Yet, amid these mounting complexity, many forward thinking manufacturers are fully positioned for the challenge as they continue their quest for growth and profitability.

THEIR SECRET WEAPON ... - LEAN MANUFACTURING -

THE RESULT...

70% Reduction in Inventory >> 30-60% Slash of Direct Labour Cost >> 50% Savings of Overhead Labour >>
40-60% Reduction in Direct Materials Cost >> 90-100% Less Defects >> 30-40% Cut in Capital Equipment and Capex

BEHIND THE NUMBERS...

Amazing business success stories, steadily taking market share from price-cutting competitors, earning far more profit than any other manufacturers, and winning the accolade of business leaders worldwide. Intelligent moves in every corner of the operation, from product design and marketing to manufacturing and leadership.

THE THIRST...

Many who have emulated this phenomenal system have seen double and triple digit productivity growth, as well as unprecedented inventory reductions. This included names like GE, Autoliv, Baxter, AMD, Solectron, Xerox.....

TODAY...

Lean Thinking is bringing competitive improvements not just throughout the value chain, but throughout the company as lean principles are beginning to be applied to back-office functions as well.

THIS ADVANCED MASTERCLASS...

Will divulge how to get beyond a focus on the surface tools and techniques of Lean by creating a Toyota-style culture of quality - by showcasing a **LEAN LEARNING ENTERPRISE**. You'll learn how to...

**OPTIMISE MATERIALS FLOW >> IMPROVE THE SPEED OF YOUR BUSINESS PROCESSES
>> IMPROVE PRODUCT AND SERVICE QUALITY >> CUT WASTE TO THE ROOTS AND BENEATH
NO MATTER WHAT YOUR INDUSTRIAL SECTOR IS**



Lean Manufacturing isn't an option any more - it's a necessity!!!!!!

WALK AWAY HAVING POWERFUL GRASP OF WORKING SKILLS TO:

- **Create** a Lean Culture within your organisation
- **Shift** organisational focus towards an effective lean strategy that relates to your own manufacturing situation
- **Examine** the Lean philosophy, performance goals and its success factors
- **Eliminate** waste and optimise profits and productivity
- **Apply** Lean Thinking in the DNA of your operations and business processes
- **Avoid** common pitfalls encountered during Lean implementation
- **Identify** Lean Manufacturing techniques to be implemented smoothly and effectively
- **Explore** the key requirements for successful employee involvement in Lean practices
- **Drive** the entire organisation to the 'Least Waste Way' of operating or continuous improvement
- **Use** lean ideas to see operational activities as a 'process' and to think about their improvement along the entire value-chain
- **Implement** strategies to increase process performance through Lean-Thinking people while assuring their job satisfaction

Register 2 or more delegates by
December 18, 2009 and get
absolutely free at your premises a
half-day coaching visit on lean
practices by Dr Carlo Scodanibbio!

Course Trainer:
Dr. Carlo Scodanibbio – Independent Consultant

Course Dates:
3-4-5 February 2010

Course Venue:
4/5* Hotel – Central Cape Town



Course Outline .

"Case studies shared during the course will illustrate productivity scores of between 35% and 120%"

Module 1 World Class Manufacturing Operations

- Understanding the scenario

Module 2 Value Adding Management In Manufacturing Industry

- Focusing on the productive processes to maximise the output value
- Identifying waste in manufacturing operations

Case Study - "Spot The Waste!"

Module 3 Systematic Elimination Of Waste In Manufacturing Industry

- What is waste: Classification of waste
- The SOCO (5S) approach as a starting point for fighting waste
- Halting waste proliferation
- Reducing waste
- Eliminating waste

Module 4 Productive Systems

- The "Batch" and "Line" types of operations
- The "push" and "pull" productive methods
- The Kanban approach to pull production
- Why the Kanban method is no longer to be considered "lean" and in which cases it should be adopted
- Effects of the "push" method

Case Study - The "Stock" Issue

Module 5 Productive Process Time And Cost Analysis

- Identifying value-adding and non-value-adding activities
- Understanding "takt-time", "throughput-time", WIP (work-in-progress) and their inter-relationships

Module 6 The Target

- Flow Production, or production with no waste

Module 7 The Relationship Between

- JIT - Just in Time, LM - Lean Manufacturing and Flow Production

Module 8 The Small-Lot Production Systems: The Smaller The Lot, The Less The Waste!

Case Study - One-Piece Flow vs. Batch Production

Module 9 Flow Production In Three Different Situations

- Labour-intensive
- Machine-intensive
- Combination

Case Studies

Module 10 The Stock Issue

- Why does stock pile up and (sometimes) flood the factory?

Module 11 What Are The Necessary Requirements To Implement Flow Production

- Flow Production's golden rules
- How to reduce drastically all lead times through flow production: Produce today what your customers ordered yesterday

Module 12 Is Continuous Flow Production Suited To You?

- The product-quantity analysis
- Process mapping
- Process-razing studies

Module 13 Cell Production And Group Technology

- Design of manufacturing cells: Principles and techniques
- How to consider One-Piece-Flow production and Cell Manufacturing
- How to improve productivity by a minimum of 35%, by eliminating the bulk of the waste

Module 14 Plant, Equipment, Machinery, Layouts And Flow Production

- The relationship between Lean Manufacturing and Total Productive Maintenance (TPM)
- Lean Disciplines: TPM basic principles for the Manufacturing Industry
- Not all machines are suited for Flow Production: How to avoid the "super star galactica" cul-de-sac

Module 15 Flow Production And Quick Change-Over: The Missing Link

- Lean Disciplines: The Quick Change-Over approach
- How to improve set-up and change-over time by 50% to 80%
- How to achieve "instantaneous change-over" situations

Live Simulation

Module 16 Total Quality Management (TQM) and Lean Manufacturing

- Flow production to maximise quality and productivity - the link quality/productivity – the techniques
- Lean Disciplines: The 6 Sigma Methodology for drastic reduction of process variability - overview

Case Study: The 100% Testing Approach In Manufacturing

Interactive Case Study: Lean Disciplines - The Poka-Yoke approach For Zero-Defects

Module 17 How To Deploy LM Techniques In The Manufacturing Industry

- Starting from the top or from the bottom?
- Can Flow Production be extended factory-wide? The mixed "push/pull" compromise
- Where and how to position the "coupling" between the "push/batch" and the "pull/flow" systems
- Basic Lean and Continuous Flow principles for the Continuous Process manufacturing industry and the highly mechanised/automated factory

Module 18 Value Stream Management: A Global Approach To Lean

- The Value Stream Mapping technique: A practical deployment of all Lean Disciplines in an integrated fashion
- The VSM "storyboard": A common, practical tool understandable both to Top Management and to Shop-floor people
- The "Milestone Charter" and the Kaizen approach to the implementation of Lean Improvement projects

Module 19 New Relationship With Suppliers for Lean Manufacturing

- Understanding the "Value-Chain" principle in manufacturing and the strategic role of suppliers and sub-contractors
- Suppliers evaluation, classification, rating and grading - Overview
- Lean approaches to Supply Chain management
- Is "co-makership" suited to you?

Module 20 New Operations Management Style for Lean Manufacturing

- Simple is beautiful!
- Small is beautiful!

Module 21 People for Lean Manufacturing: Multi skill, Multi-function, Flexible, Responsible, Empowered

- New challenges for Human Resources Management, and new frontiers in people performance
- Management's and employees' approach to Lean Manufacturing
- TEI - Total Employee Involvement and Lean Manufacturing: The perfect symbiosis

Lean Manufacturing: A Cultural Revolution

Who Should Attend:

Managing Directors - General Managers - Plant Managers - Factory Managers - Manufacturing Directors/ Managers - Operations Directors/ Managers - Production Directors/Managers - Quality Assurance Directors/ Managers - Industrial & Process Engineers - Chief Engineers - Technical Directors – Maintenance Managers - Procurement Managers - Logistic Managers - Planning Managers – Warehouse, Materials & Inventory Managers - Team Leaders – Improvement Champions

From all Manufacturing Industries

Timings:

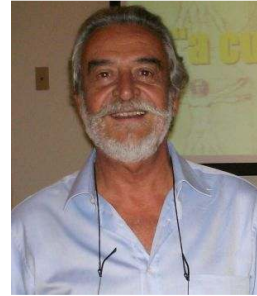
Registration will be at 08:00 on each day with the course beginning at 08:30. There will be a 15' break for refreshments in the morning and the afternoon (at approx. 10:15 and 15:15 respectively) and lunch will be served at 12:30. Each course session will conclude at 17:00. All timings are approximate due to the interactive and intensive nature of the course.

This highly interactive course is designed to provide participants with practical and 'hands-on' insights on Lean Manufacturing, along with effective techniques to achieve desired outcomes through practical case studies and live simulations. Derived from Dr. Carlo's extensive experience on Lean Manufacturing processes, this course will be conducted with a highly engaging and result-oriented approach that gives you immediate and substantial results.

About Your Facilitator .



Dr Carlo Scodanibbio is an internationally renowned Trainer, Speaker and Industrial Consultant with over 39 years of experience in Plant Engineering, Project Engineering, Project Management, Industrial Engineering and Operations Management. A free-lance Consultant since 1979, he has worked in a wide spectrum of companies and industries in many Countries including Cyprus, Italy, India, Saudi Arabia, Malta, Namibia, Kenya, Botswana, Malaysia, Mauritius, Romania, Turkey, Lebanon and South Africa. Carlo has co-operated, inter-alia, with several organisations such as Italian Chambers of Commerce and Industry, Cyprus Chamber of Commerce and Industry, Cyprus Productivity Centre, Malta Federation of Industry, Mauritius Employers' Federation, Romanian Paper Industry Association, United Nations Industrial Development Organisation, Federation of Kenya Employers and University of Cape Town.



*"An excellent course.... Fantastic Italian "Maestro" who takes you from zero to hero... Thank you Carlo !!
S V R, CTI, South Africa*

Enthusiastic, optimistic and a dynamic facilitator, Carlo has been a frequent instructor and speaker at seminars and courses attended by well over 14,000 participants. Carlo, holds a doctor degree in Electrical Engineering, and has written numerous articles and research papers which have been actively published in many manufacturing newsletters, bulletins and international magazines.



*"Excellent course! Carlo is brilliant and liberates the mind from the chains of traditional thinking that inhibits any real progress in improvement in the workplace."
Y M, Circuit Breaker Industries, South Africa*

FROM THE DESKTOP OF DR. CARLO SCODANIBBIO...

Dear Delegate(s),

The Lean Philosophy is changing the way organisations operate. No longer stuck in the paradigm of "mass" thinking, many manufacturing enterprises have tried to adopt some portions of the Lean road. Many have failed. Many have rushed off, taken a course and pronounced themselves LEAN. Yet very few have tested the depths of overall performance enhancement and added competitiveness possible with a complete change of paradigms in the "lean" direction.

This course will be a shocking course for many of you, because it demystifies all traditional principles of the first industrial revolution which majority of manufacturing enterprises are built or operate until today. By presenting in rather great detail the philosophy of the second industrial revolution and the main tools and disciplines readily available to all manufacturing enterprises to perform in an "excellent" status, this course is a door-opener to lean practices for whoever is:


ready to listen to the message – prepared to abandon obsolete principles, formulas and approaches – willing to get to "lean" status.

This course will prove that competitiveness today can no longer be achieved by merely cutting costs or revamping technology: because cutting costs has a floor, while performance improvement through maximisation of value-added and waste elimination has no ceiling – and because technology alone does not generate the levels of output value enterprises and organisations need to tackle the challenges of the tough times ahead.

I GUARANTEE that you will leave this workshop with the knowledge and tools to improve the value proposition of your operations! See you soon in Cape Town!

Dr. Carlo Scodanibbio

*"An excellent, practical course with visual video proofs that the Lean Manufacturing technique works.
This course teaches one to look differently at own work environment"
H P, Cobra Watertech, South Africa*



*"An excellent course, a fantastic launch pad for lean. Participants leave feeling energetic and enthusiastic"
L C, Sasol Dyno Nobel, South Africa*



Registration

Course Fees, Discounts, Promotion

Fees Structure

(prices are per Delegate)

- ☐ Price per Delegate R6800-00
- ☐ 2 Delegates: less 5% R6460-00
- ☐ 3-5 Delegates: less 10% R6120-00
- ☐ 6-9 Delegates: less 15% R5780-00
- ☐ 10+ Delegates: less 20% R5440-00

Deadline for Registration

15 January 2010

Early Bird Registration

Register and settle Course Fees by 18 December, 2009 and get **an additional 10% discount** on the applicable price (as per Fees Structure)

Special Promotion

Register and settle Course Fees for 2 or more delegates by December 18, 2009 and get **absolutely free** at your premises a **half-day coaching visit on lean practices** by Dr Carlo Scodanibbio! Dates by arrangement. NB: travelling expenses to Companies in the Cape Town area are included at no charge. Charges apply for travelling to other destinations.

Please complete this Form immediately and fax to +27 – (0)21 – 424 9556

DELEGATE/S DETAILS

(please write in BLOCK CAPITALS)

- 1 Delegate Name _____
Position _____
Email _____
- 2 Delegate Name _____
Position _____
Email _____
- 3 Delegate Name _____
Position _____
Email _____
- 4 Delegate Name _____
Position _____
Email _____
- 5 Delegate Name _____
Position _____
Email _____

(More than 5 Delegates: Please add separate schedule)

- ☐ We are registering 2 or more Delegates and we are settling/will settle Course Fees on or before the 18th December 2009. We wish to avail ourselves of a **free half-day Coaching Visit** at our premises by Dr. Carlo Scodanibbio on a date to be agreed.

ORGANISATION DETAILS

(please write in BLOCK CAPITALS)

Organisation _____
Nature of Business _____
Address _____
City _____ P/Code _____
Country _____
Phone _____ Fax _____

We are registering ____ Delegates @ R ____/each

Total amount R _____
Less 10% Early Bird Discount R _____

Net amount to be invoiced R _____

Authorising Manager

Name _____ Position _____

Date _____ Signature _____

(This Registration is invalid without a signature)

TERMS OF PAYMENT

Fees include: participation to the 3-day Course "Next Generation Lean Manufacturing" to be held in a 4/5* Venue (TBA) in central Cape Town on 3-4-5 February 2010 – Refreshments and Lunches – Course Notes and Documentation – Certificate of Achievement signed by Dr. Carlo Scodanibbio – One free e-consulting Advice by Dr. Carlo Scodanibbio. Upon receipt of a duly completed and signed Registration Form, a **Confirmation Letter** and **Invoice** will be sent to you.

Payment of Course Fees is strictly **on presentation** and is required **within 5 working days** from date of Invoice.

METHOD OF PAYMENT

Please indicate your preferred Payment method:

☐ **Cheque.** Made payable to Dr. Carlo Scodanibbio

☐ **Bank Transfer.** In favour of **Dr. Carlo Scodanibbio**
Nedbank - Branch: 85 St. George's Mall, Cape Town - Branch Code: 123209 - Account Number: **1232 055239**
Please quote "**Registration to Lean Manufacturing Course**" as reason for payment.

CANCELLATION POLICY

All Cancellations of Registrations must be made in writing. Due to contractual obligations, a cancellation charge of 30% of the invoiced amount applies if the cancellation is received 10 days or less before Course starting date. However, a complete set of documentation will be sent to you. **Substitutions are welcome at any time.** Should the course be cancelled by force-majeure or for any other reason, you will receive a **full refund** of the paid Course Fees.