

MALTA 2011

LEAN BUSINESS EXCELLENCE

- advanced executive education -

First time in Malta

Dr. Carlo Scodanibbio
and
Ing. Joseph Micallef

jointly present:

"a modular and most comprehensive training program on lean management principles for the industry within the Maltese islands and neighbouring countries"

Event 11

"TOTAL PRODUCTIVE & AUTONOMOUS MAINTENANCE"

For Plant and Machine Operators

3 November 2011 - Malta Enterprise - Malta

"what has to be changed in the traditional approach to machinery operations in order to face the challenges of the years 2000"

with thanks to:



TPM & AUTONOMOUS MAINTENANCE for Plant Operators
A 1-Day Training Event Developed And Facilitated By:

Dr. Carlo Scodanibbio – Ing. Joseph Micallef
email: carlo@scodanibbio.com jmicallef@theiet.org

<http://www.scodanibbio.com/malta2011/>

TPM & AUTONOMOUS MAINTENANCE

For Plant & Machine Operators

Foreword .

*“We are what we repeatedly do.
Excellence, therefore, is not an act, but a habit.
Aristotle”*

FROM THE DESKTOP OF DR. CARLO SCODANIBBIO AND ING. JOSEPH MICALLEF

Dear Delegate(s),

Why “traditional” Maintenance and even the best Preventive Maintenance practices do not deliver what they promise? Why, in spite of carefully scheduling maintenance activities, machines still break-down? Why do they show frequent minor stoppages? Why don't they run at full capacity? Why their quality output is not 100% conforming and, in some cases, very far from this ideal target?

*There is one simple answer: what is lacking is **Operators' Involvement**.*

Operators can contribute substantially to the ideal Plant Management target: plant and equipment running 100% of the time, at 100% capacity, and outputting zero defects. The operators' involvement principle was discovered by Nakajima's Total Productive Maintenance over two decades ago. But still today the barrier between production and maintenance is rather solid, and the gap unfilled – at least in “traditional” manufacturing establishments.

This short course, addressed to Plant and Machinery Operators, is designed to present a totally different path and course of action to Operators still working in “traditional” environments with “traditional” methods: the path of high involvement - and integration with the maintenance department - and deployment of Autonomous Maintenance activities, performed by the Operators themselves, for highest Plant/Machinery effectiveness.

Complemented by modern principles of Lean Maintenance (targeting at waste removal in all maintenance and operational activities), and presented with no jargon for easy grasping of all concepts, this course represents a stepping-stone for those Manufacturing Organisations that are willing to get at leaner status in the management of their most valuable assets; plant and people around plant.

We GUARANTEE that you will leave this workshop with the knowledge and tools to improve the value proposition of your organisation!

Dr. Carlo Scodanibbio and Ing. Joseph Micallef

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

Event Facilitator:
Dr. Carlo Scodanibbio - Independent Consultant

Event Date:
3 November 2011

Event Venue:
Malta Enterprise - Malta



TPM & AUTONOMOUS MAINTENANCE

For Plant & Machine Operators

Event Outline .

Timings:

Registration will be at 08:00 with the course beginning at 08:30. There will be a 15min 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. The course session will conclude at 17:00. All timings are approximate due to the interactive and intensive nature of the course.

- **World Class Manufacturing:** the scenario.
- **Value Adding Management** in the manufacturing industry: the pilot light and the driving Lean philosophy for the new millennium.

TOTAL PRODUCTIVE MAINTENANCE

- **Total Productive Maintenance:** the world-class discipline that fights to death all equipment-related losses: overview.
- Understanding the *6 Big Equipment Losses*.
- *Workplace Management (5S)* under the TPM angle of view.

AUTONOMOUS MAINTENANCE

- TPM's heart: **Autonomous Maintenance** performed by Machine Operators.
- *Cleaning, Lubricating, Bolting:* the starting point. *Intelligent Cleaning*, or Machine Cleaning using the 5 senses.
- The *Continuous Inspection* approach: Operators = Human Sensors and Detectors of deterioration, abnormalities and malfunctions. Hints and tips. *Continuous Deterioration* detection and assessment.

RELATIONSHIP BETWEEN MAINTENANCE AND PRODUCTION

- New relationship between Production and Maintenance: the targets for the two departments for smooth integration. Assisting Maintenance personnel in large maintenance operations, scheduled maintenance activities, effecting minor repairs. The final, medium-term result: knowledgeable Operators, understanding better how their equipment operate and should be cared for.

MODERN TPM AND LEAN MAINTENANCE

- *Maintainability Improvement* activities conceived and performed jointly by maintenance technicians and operators.
- Fighting *Quality Defectiveness:* principles of *Root-Cause Analysis* and *Mistake-Proofing (Poka-Yoke)*. Practical exercising.
- **Lean Maintenance** and **Lean Operations** – overview. Where does **waste** hide, how to detect it, how to eliminate it.

This event is a very interactive workshop aiming at transmitting with simple language (no jargon) basic and advanced TPM, AUTONOMOUS MAINTENANCE and LEAN MAINTENANCE/OPERATIONS concepts and principles to attending Machine Operators in a practical, hands-on, result-oriented fashion.

Training Grants ranging between 60 and 80% may be made available to eligible enterprises through the Training Aid Framework (TAF) Scheme administered by the ETC.

Deadline for Training Grants Application: **10 October 2011**.

NB: the onus of enquiring about and applying for Training Grants rests vested with your Organisation.

Event Objectives .

WALK AWAY HAVING A POWERFUL GRASP OF WORKING SKILLS TO:

- **Learn** basic concepts of World Class Manufacturing and its main disciplines (Lean Manufacturing, Total Productive Maintenance, Total Employee Involvement)
- **Understand** how TPM fights Big and Minor Equipment Losses through high Operators' involvement.
- **Grasp** the Autonomous Maintenance methodology for higher Equipment Effectiveness
- **See** the benefits associated with Operators' empowerment
- **Learn** how to "see" waste in maintenance and machine operation activities and how to reduce it

About your Facilitators .

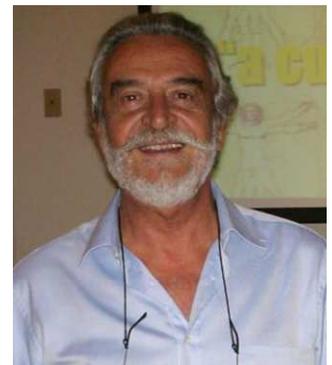


Ing Joseph Micallef graduated in electrical engineering from the University of Malta in May 1992. He has been involved in the manufacturing industry since 1990. Initially starting his career within the medical devices and plastics processing manufacturing sector, he later moved on within the electronics manufacturing sector. Throughout his career, Joseph has had experiences in a variety of industrial and automation processes, research and development projects, various manufacturing processes and occupied senior technical and management roles in research and development, process control, quality management, occupational health safety and business process management. For over these last c. 14 years, Joseph has been occupying the position of Quality Manager within a very dynamic high tech electronics manufacturing industry sector. Apart from his broad industrial experiences gained through the last c. 20 years, Joseph has also paralleled his experience within the services sector through his various freelance projects which he has undertaken since the year 2000 when he had ventured into the freelance consultancy and mentoring/training business. Joseph's career spreads primarily in Malta, but he has been assigned several projects and training opportunities in various countries within Europe (UK, Scotland, Belgium, France, Finland, Italy), the US (Jacksonville, Houston) and the Middle East (Egypt).

Ing. Joseph Micallef is a corporate member of a number of institutions. In particular he is registered Chartered Engineer with the Engineering Council (UK) – *C.Eng.*, corporate member in the Institution of Engineering and Technology (UK) - *MIET*, European engineer through FEANI – *Eur.Ing.*, and warranted member within the Chamber of Engineers (Malta).

Dr Carlo Scodanibbio is an internationally renowned Trainer, Speaker and Industrial Consultant with over 40 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, Malta Chamber of Commerce and Industry, Mauritius Employers' Federation, Romanian Paper Industry Association, United Nations Industrial Development Organisation, Federation of Kenya Employers and University of Cape Town.



Enthusiastic, optimistic and a dynamic facilitator, Carlo has been a frequent instructor and speaker at seminars and courses attended by well over 15,000 participants. Carlo, holds a doctor degree in Electrical Engineering from Politecnico di Milano, and has written numerous articles and research papers which have been actively published in many manufacturing newsletters, bulletins and international magazines.

Who Should Attend This Prestigious Event:

This highly interactive event is intended for Plant/Machine Operators and their supervisors/team leaders from Manufacturing Enterprises (all).

**The course is equally beneficial also for Construction Machinery Operators.
(Malta & neighbouring Countries)**

TPM & AUTONOMOUS MAINTENANCE

For Plant & Machine Operators – 3 November 2011

Registration .

Online Registration: <http://www.scodanibbio.com/malta2011/onlinereg/11.html>

Event Fees, Discounts, Terms and Conditions

Fees and Discount Structure (prices are per Delegate excluding VAT)

Price per 1 Delegate €190 - **Deadline for Event Registration: 26 October 2011**

Early Bird Registration

Register and pay Event Fees by **6 October, 2011** and get **over 12% discount** on the above price: net, early-bird price = €170 pp.

Loyalty Discount (*)

Organisations that participated in the Launching Conference 21st June 2011 qualify for an extra, overall **10% Loyalty Discount**

Please complete and sign this Form, scan it and email it to jmicallef@theiet.org or carlo@scodanibbio.com

DELEGATE/S DETAILS (in BLOCK CAPITALS) (more than 5 Delegates: please add separate schedule)

- 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 _____

Training Grants ranging between 60 and 80% may be made available to eligible enterprises through the Training Aid Framework (TAF) Scheme administered by the ETC. Deadline for Training Grants Application: **10 October 2011**. NB: the onus of enquiring about and applying for Training Grants rests vested with your Organisation.

ORGANISATION DETAILS (please write in BLOCK CAPITALS)

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

We are registering ___ Delegates @ € _____/each
Total amount € _____
Less 10% Early Bird Discount € _____
Less 10% Loyalty Discount (*) € _____

Net amount to be invoiced (excl. VAT) € _____

Authorising Manager

Name _____ Position _____

Date _____ Signature _____

(This Registration is invalid without a signature)

TERMS OF PAYMENT

Fees include: participation to the 1-day Event "TPM & Autonomous Maintenance for Plant & Machine Operators" to be held at Malta Enterprise, Malta on 3 November 2011 – Refreshments and Lunch – Event Notes and Documentation – **Certificate of Achievement** (*Certificate of Successful Completion*) signed by Dr. Carlo Scodanibbio Upon receipt of a duly completed and signed Registration Form, a **Confirmation Letter** and **Invoice** will be sent to you by the organisers. Payment of Event Fees is strictly **on presentation** and is required **within 5 working days** from date of Invoice.

METHOD OF PAYMENT

Payments may be done by cheque or Bank Transfer in favour of Ing. Joseph Micallef, who acts as the official Event Organiser.

To arrange for payment after receiving **Confirmation Letter** and **Invoice** kindly contact Ing. Micallef directly on (+ 356) **9982 2244** or email jmicallef@theiet.org

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 15 days or less before Event starting date. However, a complete set of documentation will be sent to you. **Substitutions are welcome at any time.** Should the Event be cancelled by force-majeure or for any other reason, you will receive a **full refund** of the paid Event Fees.

<http://www.scodanibbio.com/malta2011/>

FURTHER EVENT INFORMATION. Dr. Carlo Scodanibbio – Email: carlo@scodanibbio.com
Web: <http://www.scodanibbio.com> Tel +356 - 2166 2115 – Mob +356 - 7996 6056