

# Introduction to Six sigma

For production and quality managers and engineers  
23,24<sup>th</sup> February 2009, Bucharest

We would like to invite you to our 2 day workshop "Introduction to Six Sigma". In this workshop we will teach production managers and engineers an overview of the Six Sigma philosophy and techniques that can be used for defining the requirements of the customer, production and quality risks and for analyzing the production in order to minimize the costs of rework and scrap and to improve the quality of the product.

All techniques will be illustrated using real life application examples.



## WHY SIX SIGMA IN PRODUCTION ?

In a manufacturing environment, quality improvement has a positive impact on reliability and increases production. Fewer defects translate into fewer warranty claims, lower costs and increased customer satisfaction. Process improvements also eliminate waste, improve flow and enhance workplace safety, all contributing to the bottom line.

### Why this training?

This overview course is designed to provide a broad understanding of the Six Sigma improvement methodology, concepts, and language. The Define-Measure-Analyze-Improve-Control methodology is presented with case studies and examples drawn from manufacturing applications.

The integration of Lean Manufacturing and Six Sigma is also addressed. With a heavy practical orientation, one third of the class time will be spent working through interactive practice exercises and online assessments. This course is an interactive learning experience with classroom discussion, toolbox, exercises and manufacturing examples.

## ⚙️ CONCRETE TOPICS OF THIS WORKSHOP:

### Project Structure - Six Sigma Metrics

Understand the benefits and implications of a Six Sigma program, and relate Six Sigma concepts to the overall business mission and objectives. Examples

### Terms and Meetings

Recognize the organizational factors that are necessary groundwork for a successful Six Sigma program.

### Process Mapping and process FMEA

Think about your organization as a collection of processes, with inputs that determine the output.

### Process and Measure Capability

Use the concept of a Sigma Level to evaluate the capability of a process or organization.

### The Five Step Model to Improve Processes - DMAIC

Data analyse tools using MS/Excel: Boxplot, process distribution and basic statistics. Experiments in manufacturing: Shainin. Principles of design of experiments (DOE). Examples.

### Six Sigma and other Improvement Initiatives

Integrate a Six Sigma effort with other process improvement initiatives, including Lean Manufacturing. Lean problem solving using Six sigma tools: cycle and changeover time reduction.

## ⚙️ WORKSHOP SCHEDULE:

### Day 1:

- 9.00 Welcome, introduction of participants
- 9.30 Project Structure - Six Sigma Metrics - Terms and Meetings
- 12.30 Lunch break
- 13.30 Process Mapping and process FMEA - Process and Measure Capability
- 17.00 End

### Day 2:

- 9.00 Five Steps to Improve Processes - DMAIC
- 12.30 Lunch break
- 13.30 Six Sigma and other Improvement Initiative
- 16.30 End

⚙️ YOUR INSTRUCTOR:



Peter Buntinx has 20 years of experience with Philips as internal consultant for process improvement in manufacturing, engineering and R&D.

He is currently working for Van Goubergen P&M Productivity Improvement, an international training and consulting company based in Belgium. He has done consulting work for BMW, Siemens, TI Automotive, CNH, Masterfoods, Barco and Agfa.

He is a Black Belt Six Sigma certified by the American Society for Quality (ASQ).

⚙️ PRACTICAL DETAILS

This workshop will be presented in English, however Peter Buntinx will be supported by a Romanian trainer also present

**When?** 23-24<sup>th</sup> February 2009.

**Where?** Bucharest

**Registration?** Registration fee is **400 Euro/person** (excl VAT). Depending on the no. of participants enlisted from the same company, **discounts** are applicable. This fee includes handouts of all presented material and lunch on both days. To register for this workshop please send last page signed and stamped by fax or email. The registration is confirmed after we receive the payment.

**Audience?** Production managers, Quality managers, engineers, anyone interested in improving the performance of their organization using the Six sigma approach.

**Deadline ?** Registration and advance payment until 16<sup>th</sup> February 2009.

**Formular de inregistrare**

**PRODUCTIVITY CENTER SRL**

**Introducere in Six sigma**- curs deschis  
23, 24 Februarie 2009-Bucuresti

Compania \_\_\_\_\_

Persoana de contact \_\_\_\_\_ Pozitia \_\_\_\_\_

Adresa \_\_\_\_\_ codpostal \_\_\_\_\_

Telefon, Fax,

Email \_\_\_\_\_

CUI \_\_\_\_\_ Nr. Reg. Comertului \_\_\_\_\_

IBAN \_\_\_\_\_ Banca \_\_\_\_\_

**Participanti inregistrati:**

1. Nume \_\_\_\_\_ Pozitie \_\_\_\_\_ email \_\_\_\_\_

2. Nume \_\_\_\_\_ Pozitie \_\_\_\_\_ email \_\_\_\_\_

3. Nume \_\_\_\_\_ Pozitie \_\_\_\_\_ email \_\_\_\_\_

4. Nume \_\_\_\_\_ Pozitie \_\_\_\_\_ email \_\_\_\_\_

5. Nume \_\_\_\_\_ Pozitie \_\_\_\_\_ email \_\_\_\_\_

Prin prezentul formular inregistrez pentru cursul "Introducere in Six sigma" participantii de mai sus. Ma angajez sa platesc catre SC Productivity Center SRL taxa de **400 euro / participant** (plus TVA) in avans conform factura proforma, pana in data de **16 Februarie 2009**.

**Discount :**

**3-5 persoane: 10%**

**6-9 persoane: 15%**

**10-15 persoane: 20%**

**Condiții privind înscrierea :**

Anularea unei înscrieri se face în scris, cel mai târziu cu 7 zile calendaristice înainte începerii seminarului . Pentru anularea cu mai puțin de 7 zile calendaristice se va returna doar 50% suma platita. Se accepta inlocuirea persoanelor inscrise cu pastarea numarului de inregistrari la curs.

Semnând și ștampilând acest formular, vă declarați de acord cu toate condițiile de mai sus. Productivity Center își asumă obligația de a organiza seminarul conform condițiilor prevăzute în invitație și conform programului menționat.

**Prezentul formular de inscriere tine loc de contract între parti.**

Nume și prenume:

Semnătura: .....

.....

Data:

Ștampila

