**Six Sigma Green Belt**

Organized by UBT University of Business and Technology and CEC Continuous Education Center in partnership with Leoron PDI

**Jeddah**

**KSA**

**October 11-15, 2015**

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| Location:   | University of Business & Technology Continuing Education Center  
King Road Tower  
2701, 27th Floor  
Malik Road, Jeddah  
Kingdom of Saudi Arabia |
| Program language: | English |
| Expert consultant: | Paul Odomirok |

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Paul Odomirok is President and CEO of Performance Excellence Associates, Inc. For the past 40 years, Paul has been involved in several careers from Academia to Corporate Leadership to Consulting to Entrepreneur. In his ‘first career’, he taught Mathematics and Computer Science at all levels of learning, from Pre-School to Post-PhD. He was even involved in designing graduate level curriculums at the University of South Carolina as an Adjunct Professor.

His second career began in 1985 with NCR. Beginning as a Senior Programmer Analyst, he was promoted to Manager - Software Development, Product Manager, Manager – Product Management, Corporate Strategic Planner for Banking, Director – Retail Systems Product Integration, Director of Quality and Corporate Coach. During his stint corporate America, he experienced the NCR/AT&T merger; and was responsible, as a Director of Quality, for the cultural transformation and change leadership for the Retail Systems Division Organization in Duluth, Georgia.

He left NCR/AT&T in 1995 to pursue a consulting career, in the areas of Leadership, Team Development, Strategy, Structure, Systems and Organization Performance. Over the past 20 years, he’s worked with more than 60 companies on over 135 different performance improvement projects and organization change programs. In this time he’s created, owned and operated several businesses. His expertise ranges across a variety of disciplines, including Lean, Six Sigma, Supply Chain and Leadership/Management Development. Although most of his projects have been concentrated in the commercial business area, his most recent projects have been with the DoD for leadership development, strategic planning, increasing process speed, improving quality, lowering cost and attaining supply chain logistics excellence for two specific programs; F/A-18 ‘Super Hornet’ and MRAP (Mine Resistant Ambush Protected vehicle program).

Both his B.S. and Master’s degrees are concentrated in Mathematics, which he utilizes today for complex problem solving, implementing change, teaching Transformation/Change, Project Management, Lean Six Sigma Green/ Black Belt Training through the IIE, Lean Manufacturing Principles using Statistics, and other data analysis methods and approaches. He has been involved in research with Bell Labs for Technical Team Design, and served on a Harvard research team called ‘The Events And Motivation Study’ (HBS T.E.A.M. Study).

**WHO SHOULD ATTEND**

This course is designed for individuals from diverse organizational functions-operations, quality, logistics, finance, production, engineering and other staff functions. Participants are normally process owners or leaders and are well versed in technical aspects of their jobs and have worked on project teams.

**LEARNING OUTCOMES**

» Design and develop Six Sigma projects
» Determine process capability
» Employ the DMAIC process
» Perform basic statistical analysis on process measurements
» Prepare root cause analysis
» Support and champion Six Sigma implementation in your organization
» Explain the Six Sigma philosophy

**COURSE OVERVIEW**

Lean Six Sigma Green Belt training teaches and prepares individuals to implement the principles, practices, and techniques of Six Sigma in a support capacity on a Black Belt project team. Green Belts are traditionally Lead process stakeholders and may also be assigned specific process-level improvement projects to conduct on their own—projects that normally do not require the statistical rigor demonstrated by a Black Belt. This course enables the individual to apply the knowledge and skills learned in this course to in order to accomplish breakthrough business improvements for their organizations. The Lean Six Sigma methodology is a systematic application that can be applied in service-based, transactional, production-based and health care environments and is focused on achieving significant business results and increased customer satisfaction.

**FORMAT**

This course is an instructor-led, classroom-based environment. The instruction is a blend of lecture, application, individual and team-based exercises. Laptop computers will be used extensively during the class. There is normally additional 50 hours recommended of self-study and practice where the individual returns to their work environment to apply the knowledge and skills learned in class to their projects. This entire course is 5 days in length.
COURSE OUTLINE

Six Sigma Philosophy
Organization
Structure
Approach
DMAIC
Six Sigma Projects
  » Variation
  » Histograms
  » Statistical Process Control
Variables
Attributes
  » Process Capability
DPMO
Sigma Levels
Indices
  » Root Cause Analysis
Break Even
Flow Charts
Pareto Analysis
Check Sheets
Ishikawa Diagrams
Scatter Diagrams
Six Sigma and Organizational Goals Including
  » Value Of Six Sigma
  » Organizational Factors Influencing Six Sigma
Process Analysis – SIPOC
Case Studies

PROGRAM TIMINGS

Registration will begin at 08.00 on Day One. The program will commence at 08.30 each day and continue until 16.30. There will be two refreshment breaks and lunch at appropriate intervals.

Learn how to integrate principles of business, statistics and engineering to achieve tangible results. Master the use of Six Sigma to quantify the critical quality issues in your company. Once the issues have been quantified, statistics can be applied to provide probabilities of success and failure. Six Sigma methods increase productivity and enhance quality. As a Six Sigma green belt, you will be equipped to support and champion Six Sigma implementation in your organization.

Six Sigma Green Belt is a business management strategy that is aimed at improving the performance and profitability of a business, by increasing process efficiency and eliminating waste. There are different levels of training and certification within the Six Sigma system, including the white belt and black belt. Six Sigma has steadily gained in popularity since its introduction in the 1980s at Motorola. Based on quality methodologies and the Japanese focus on reducing defects, it represents a systematic approach to understanding and managing processes. The DMAIC methodology is used for process improvement, while DMADV is used for creating new processes and products. But Six Sigma is about more than just conducting projects, it is a philosophy and mindset that impacts the way a business is run.