



Lean Six Sigma

..... Workshop

2-4 October, 2018

Mohammed VI Polytechnic University
Benguerir, Morocco
Multipurpose Room



جامعة محمد السادس
متعددة التخصصات التقنية
MOHAMMED VI POLYTECHNIC UNIVERSITY
UNIVERSITÉ MOHAMMED VI POLYTECHNIQUE



الاتحاد العربي للأسمدة
Arab Fertilizer Association



شركة صناعة الكيماويات البترولية (ش م ك)
PETROCHEMICAL
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Introduction

In today's global and highly competitive market, it has become imperative for business to focus on increasing work efficiency, improving quality and cutting costs. Companies must push for greater agility while making use of existing or less resources. This means that 'positive change' is necessary for organizations to survive. The challenge to achieve growth in companies is to improve customer satisfaction and sustain business performance based on growth targets. Progressive organizations embrace process excellence as a means to achieve these goals. Process excellence helps companies work more efficiently and link business strategy to proper execution. The tools and methodologies that companies use to achieve process excellence may differ but the fundamental goals remain the same: improving work to sustain business performance.

Lean Six Sigma is a business approach consisted of two stages, which focuses on reducing waste and product variation from manufacturing, service or processes. Six Sigma is a quality improvement methodology structured to reduce product or service failure rates to a negligible level. Six Sigma companies typically spend less than five percent of their revenues addressing and repairing quality problems. Whereas Lean is to maximize the customer, value and works to minimize the process waste as well. The two approaches drive continuous improvement, building a philosophy that is the base of all effective management systems and any business that works to grow and progress for the future.

Objectives

After completing this workshop, participants should be able to:

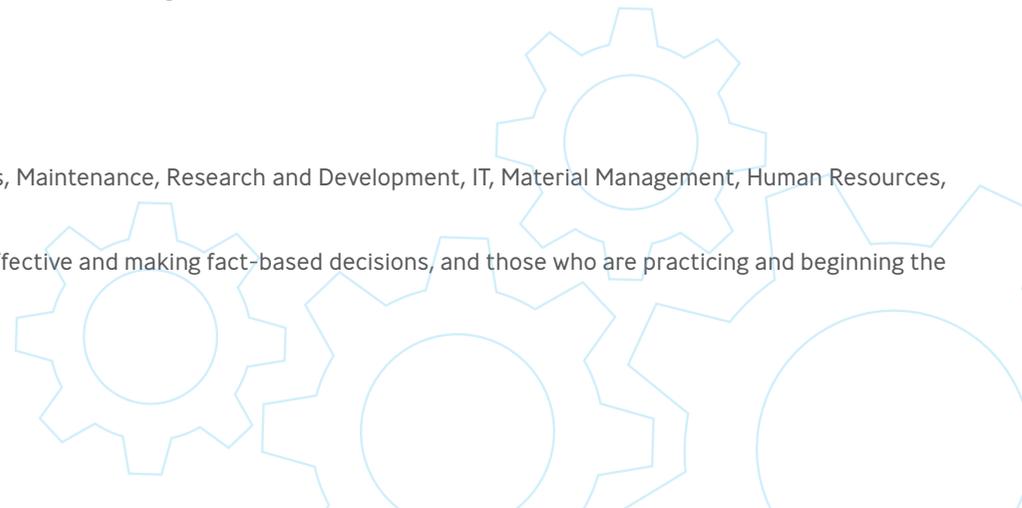
- ▶ Communicate using Lean and Six Sigma concepts.
- ▶ Think about the organization as a collection of processes, with inputs that determine the output.
- ▶ Relate Six Sigma concepts to the overall business mission and objectives.
- ▶ Use the concept of a Sigma Level to evaluate the capability of a process or organization.
- ▶ Understand and apply the five-step DMAIC model as a framework to organize process improvement activity.
- ▶ Employ a wide range of process improvement techniques.
- ▶ Recognize the organizational factors that are necessary groundwork for a successful Lean Six Sigma effort.
- ▶ Employ Lean Six Sigma skills to lead a successful process improvement project delivering meaningful results to the organization

Who should attend ?

Professionals from all functional units including but not limited to: Marketing, Sales, Production/Operations, Maintenance, Research and Development, IT, Material Management, Human Resources, Quality Control/Assurance, Financial and Customer Support.

Participants should be willing to understand and apply a wide mix of quantitative and qualitative tools for effective and making fact-based decisions, and those who are practicing and beginning the journey of business excellence and continuous improvement within the organization.

Workshop Language: Presentation & Materials will be delivered in English.



Program

<p>Day 1</p> <p>Tuesday 02 oct, 2018</p>	08:30 > 09:00	Registration
	09:00 > 09:15	Official Opening (Welcome)
	09:15 > 09:25	Introduction & BIO
	09:25 > 09:30	Ground Rules
	09:30 > 09:35	PIC Vision & Excellence definitions
	09:35 > 10:00	Lean Definition and Principles
	10:00 > 10:15	Value Streaming
	10:15 > 10:30	Break
	10:30 > 12:00	5S technique
	12:00 > 12:30	Break
	12:30 > 14:00	5S project sample
	14:00	Lunch
	<p>Day 2</p> <p>Wednesday 03 oct, 2018</p>	09:00 > 09:30
09:30 > 10:15		DMAIC methodology
10:15 > 10:30		Marriage of Lean and Six Sigma
10:30 > 11:00		Break
11:00 > 11:30		PIC's Lean Six Sigma Deployment
11:30 > 12:00		Lean Six Sigma Pipeline
12:00 > 12:15		Break
12:15 > 13:15		Project charter elements and how to write
13:15 > 13:45		PIC's Lean Six Sigma Achievements
13:45 > 14:00		Conclusion
14:00		Lunch
<p>Day 3</p> <p>Thursday 04 oct, 2018</p>	09:00 > 11:00	Kaizen technique
	11:00 > 11:30	Break
	11:30 > 13:00	Open Discussion
	13:00	Lunch

About

▶ OCP

OCP Group is a key player in the global phosphate market. It is the world's largest exporter of phosphate in all its forms: Phosphate rock, phosphoric acid, and phosphate fertilizers.

Founded in 1920, OCP boasts more than 90 years of experience and is present across the entire value chain from the extraction to the sales of phosphate and its derivative products. With the world largest reserves of phosphate, cutting-edge chemicals and production facilities, and world-class R&D programs, OCP responds creatively and cost-effectively to the growing global demand of its products.

Headquartered in Casablanca, OCP works in close partnership with over 160 clients worldwide. It provides over 21.000 direct jobs and 40.000 indirect jobs across Morocco.



▶ UM6P

UM6P is a new kind of university, and His Majesty the King has honored us by kindly giving it his name. It is a land grant, not for profit university which promotes academic excellence with special emphasis on addressing challenges facing the African continent. OCP has incubated this world-class university to foster a wide educational and research/ innovation ecosystem, around multidisciplinary areas in engineering, science and technology, business, economics, humanities and social sciences.

Established in 2013, the UM6P is an international university founded for research and innovation and aims to become a world class hub for research, education and innovation in Morocco and a real bridgehead between Africa and the World. Aimed to contribute to the sustainable development of Africa and Morocco through research programs that respond to the continent's challenges and leaders capacity building development and contribute to improve and shape national industry. Intended to develop and enhance learning based on experimentation and innovation models, living labs and technological platforms and favoring multi-faced partnerships.

