

# Lean Green Belt<sup>PLUS</sup>

الحزام الأخضر في التصنيع الرشيق  
(PLUS Bronze Foundation)

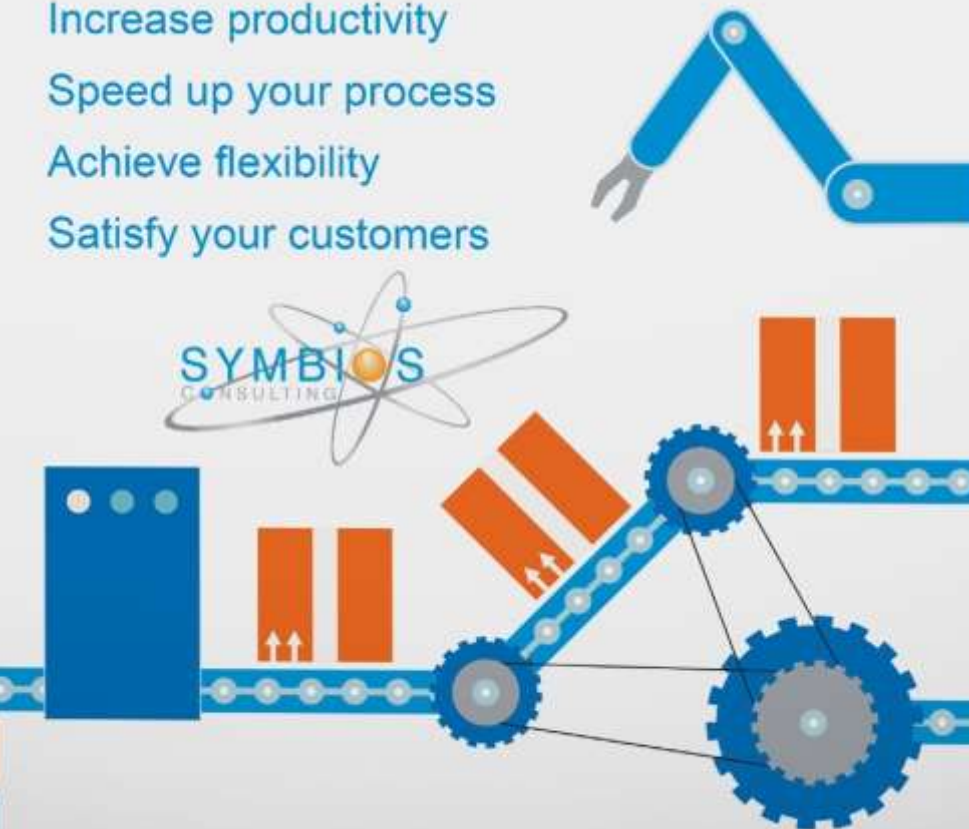
Wave 81

**Certification Program**



## Discovering new limits Through people and values

Increase productivity  
Speed up your process  
Achieve flexibility  
Satisfy your customers



Many of the Lean tools and concepts seem simple and straightforward. However, stand-alone tools are of limited value and unsustainable unless integrated into your business objective as a whole. You will learn about the tools, and more importantly, learn how to apply the lean principles to drive business processes and results.

### Contents:

- SPACER
- Value To Customer
  - What is Lean?
    - Lean Thinking
    - Mass Production
    - The Toyota Production System
    - 7 Wastes
    - The 5 Lean Principles
    - T-Shirt Simulation
    - Simulation Round 1
  - What is Six Sigma?
  - Lean and Six Sigma
  - Project Charter
  - Belbin Team Roles
- Value Stream Mapping
  - Lead Time and Throughput Time
  - Manufacturing Physics
  - Takt
  - Learning to See Current State
  - Line Balancing
  - Detailed Process Mapping
  - Simulation Round 2
- Flow
  - 5S+1
  - Visual Factory
  - ISPC (In Station Process Control)
  - Activity Sampling & Standard Work Combination Table
  - Cell Design
  - Ergonomics
  - OEE (Overall Equipment Effectiveness)
  - Quick Changeover
  - TPM (Introduction to Total Productive Maintenance)
  - Autonomous Maintenance/ PLM (Production Led Maintenance)
  - Rolled Throughput Yield
  - Process Control
  - JIT
- Pull
  - Material Management Systems
  - Future State Mapping
  - Lean Business Systems and Culture
  - Lean Deliverables
  - Lean High Performance Work Teams
  - Inventory Management
- Continuous Improvement
  - The Seven Quality Tools
  - 5 Why's
  - Introduction to Hoshin Planning
  - 8D
  - Manage By Fact (MBF)
  - Project Close Out Process
- Exam

## Who Should Participate?

- Production Managers
- Supply Chain Managers
- Production supervisors
- Successful Lean Green Belt delegates
- Process Improvement Specialists
- Business Transformation Specialists
- Process Engineers

## Course Duration:

Lean Green Belt Certification program is designed to be delivered as follows:

- 11 full class days, 88 training hours in 5 blocks
- Training starts 9:00 am till 5:00 pm
- There will be Individual projects reviews and presentations at Symbios premises
- Two visits for each participant in his/her work area to verify project progress for certification:
  - First visit 2 weeks after second block
  - Second visit 3 weeks after fourth block
- 1 day for final exam.

## Certification:

Participants shall be certified as Lean Green Belts upon the following criteria:

1. Class attendance and active participation
  2. Passing an exam at the end of the course with 60% or more.
  3. Implementation of a Lean Green Belt project which is applied in participant's business process which will be verified through Symbios Consulting representative onsite Visit.
- Participants who attend all classes and pass the exam shall be granted an accomplishment certificate for the course.
  - Participant should finish the project within maximum Six months. In case he didn't, he will be granted an attendance certificate.

## Admissions pre-requisites:

- Company approval for project implementation

## Course Dates:

January 2018						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

February 2018						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

March 2018						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

## Some of the positive comments received following our interventions:

"Symbios were able to work with some of our people to develop their awareness to alternative ways of discovering and resolving hidden wastes."  
Vodafone UK

"Symbios' training involves the live introduction of lean techniques, where change is implemented one piece at a time on a real project. Over the next 12 months we will be re-viewing the old practices, focusing on core business – particularly the cooler manufacturing side,"  
Scotsman Beverage Systems

"Symbios are Pioneers in Egypt with their Lean, Six Sigma and supply chain training & consulting services. I have worked with them on both full scale Lean factory deployment as well as Lean Six Sigma training. What sets Symbios apart from their competitors is their technical know-how, Practical experiences in implementation and most importantly, their determination and effort for always seeking and attaining the highest level of results and customer satisfaction. That is why I recommend Symbios".

AHRAM SECURITY GROUP

## Program Fees:

- LE 7,700
- 100 USD for Final Exam
- Class is limited to 16 participants only

## Registration:







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-  Block 1: Value— 2 Days
-  Block 2: VSM—2 Days
-  Block 3: Flow—2 Days
-  Block 4: Pull—2 Days
-  Block 5: Perfection 2 Days
-  Block 5: Gemba -1 Day