



3 DAY LEAN SIX SIGMA TRAINING

Agenda

In today's competitive landscape, the need to do more with less is a persistent challenge. Lean Six Sigma is the go-to strategy for improving operational efficiency, team productivity, and product quality. Being Six Sigma certified adds significant value in the multinational management market, driving higher demand for individuals with this qualification.

Day 1		Day 2		Day 3	
0800h	Coffee and Crullers	0800h	Coffee and Crullers	0800h	Coffee and Crullers
	Attendees contribute "sticky-notes" with what they would like to get from their participation		Attendees contribute "sticky-notes" with what they would like to get from their participation		Attendees contribute "sticky-notes" with what they would like to get from their participation
0830h	Welcome, Introductions, Learning Process	0830h	Project Presentation and Homework Review	0830h	Project Presentation and Homework Review
0900h	What Is In For Me(WIIFM)?	0900h	Basic Statistics (Part 1)	0900h	Robustness Experiment Plan and Execution
	Invaluable Skills Demand Prestigious Qualification Career Advancement		Traditional Philosophy (Goalpost Mentality) vs. Taguchi Philosophy (Loss Function)		Robustness Model and Noise Management Strategy
1000h	Lean Six Sigma Overview	1000h	Variation Management Strategy	1000h	Conduct Robustness Hands-On Experiments
	Need Meaning Benefits History Metrics		Variation Reduction vs. Variation		
1030h	Break	1030h	Break	1030h	Break
1045h	Lean Six Sigma Overview (continued)	1045h	Process Mapping / Value Stream Mapping	1045h	Robustness Experiments Presentation
	DMAIC vs IDDOV				
1200h	Lunch	1200h	Lunch	1200h	
1300h	Innovation Effectiveness Efficiency	1300h	Measurement Systems Analysis (Attribute)	1300h	Capability Development and Analysis
	Critical Thinking: Lean and Robustness				Control Plan FMEA SPC
1430h	Case Study	1430h	Cause and Effect Tools	1430h	Measurement Systems Analysis (Variable)
					Cp/CPk Capability Development for SPC
1500h	Break	1500h	Break	1500h	Break
1515h	Project Definition (continued)	1515h	Basic Statistics (Part 2)	1515h	Project Transition – Keys to Success
1530h		1530h	General Model of a Process or System	1530h	Project Transition Action Plan
1545h	Project Identification/Selection/Scoping	1545h	BBQ Experiment Plan and Execution	1545h	Workshop Exam Game
1600h	Project Review and Project Selection	1600h	Project Review	1600h	Workshop Project Presentation
1630h	Open Discussion	1630h	Open Discussion	1630h	LSS GB Certificate Award Presentation
1700h	End of Day	1700h	End of Day	1700h	End of Day

Dr. Matthew Hu is a recognized and exceptional industrial expert and leader in robust engineering, quality and reliability. He is a Certified Robust Design Expert using the Taguchi Method, a Certified Lean Six Sigma Master Black Belt, a Certified Quality Engineer, and a Certified Reliability Engineer. He had the privilege of working with well-known quality gurus, including Dr. W. E. Deming, Dr. G. Taguchi, and Dr. Mikel Harry. Dr. Hu serves as an adjunct professor, lecturer, and the Engineering Management Program Director at the University of Houston. He has also worked with and frequently consulted for clients in industries including Automotive (GM, Chrysler, BorgWarner), Autonomous Driving Technologies, Oil & Gas (Schlumberger, Baker Hughes), Home Appliance/HVAC (Haier), Electronics (Molex, Foxconn), Wind Energy, Polymeric Membranes, United Technologies Corporation, and others.



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INDUSTRIAL ENGINEERING