

Lean Sigma Black Belt Upgrade Workshop

Day 1	Day 2
System of Improvement	System of Thinking & Behaviour
Black Belt role & Learning Portfolio	Coaching within CI
Introduction to Systems Thinking	Continuum of Conversation
Top Down Improvement - X-chart / CoPQ	Voiceprint - Improving CI Conversations
Bottom Up Improvement - VSM	
Executing CI Interventions	Conversation development: practice typical encounters
PDCA / RIEs / DMAIC / Planning	
Creating CI Culture	Project preparation
Boards / Escalation / Benefits / Embedding	
Day 3	Day 4
System of Improvement	Measure & Analyse
Advanced Lean Lego Simulation. Including : SMED, Flow, Pull, Smoothing	Measurement Systems Analysis
	MSA - Attribute Data
	MSA - Variable Data
	Non-Normal Data
Advanced Lean Simulation Exercise.	Correlation
	Regression
Improvement Kata	Multi-Vari Charting
	Project preparation
Day 5	Day 6
Improve	Improve
Introduction to Hypothesis Testing	Introduction to Design of Experiments
Tests for Normality & Location	2-level Factorial Experiments
Test for Variation, Proportions	
Power & Sample	
Worked example of Client data	DoE Exercise
	Exercise - Minitab Analysis
	Overview of DfSS
	Programme close & Project preparation