



Program LS4 - KAIZEN LEAN SIX BLACK BELT TRAINING (5+5 + Split class days)

This is a 10-day program (split 5 x 5 + days) training program plan for the senior level technical and team leadership management personnel who have run multiple projects and progressed their process improvement competencies into project coaching and facilitation to acquire and learn advanced professional data acquisition and analysis methods to visualise and solve significant business improvement opportunities

The curriculum will be aligned with successful Kaizen, Lean Six Sigma D.M.A.I.C Black Belt content.

- Participants develop an understanding of the business context of process improvement as well as the technical competencies + advanced toolkit systems; covering leadership and methods best practice training
- Study of advanced statistical methods and data acquisition and modelling techniques
- Nominated major improvement project to be undertaken by the participant to demonstrate competency and to achieve certification to internationally recognised standard (RABQSA - TCD68) Lean Six Sigma Black Belt Competency Standard

Please note: The following price structure is based on ten days of training and coaching and conducting the final competency standard review and certification, also a mandatory requirement that participants must have completed at least and achieved **"Green Belt"** level certification standard + evidence of completed improvement projects and benefits delivered to date.

Please contact us to discuss a detailed, tailored schedule to suit your business and family commitments, on **+61 417766611** or by email info@richterconsulting.com.au

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The Program will be structured and aligned with participants who have achieved an advanced competency level, and participants must have completed and achieved Green Belt level standard, in addition to running 5-10 major improvement projects.

Kaizen Lean Six Sigma – Green Belt Training Split - (2 x 2 Days)

Days 1 & 2 Schedule

SESSION TITLE - In-house Company Program	Duration	Start	End
DAY 1 - KAIZEN LEAN SIX SIGMA GREEN BELT			
Introduction & Agenda Review	0.15	8:30	8:45
Selfies	0.15	8:45	9:00
Introduction	0.15	9:00	9:15
Continuous Improvement	0.15	9:15	9:30
Agenda Review	0.15	9:30	9:45
Break	0.15	9:45	10:00
Lean Six Sigma Philosophy	0.15	10:00	10:15
Lean Six Sigma Improvement Model	0.15	10:15	10:30
Morning Tea	0.15	10:30	10:45
Program Management	0.15	10:45	11:00
Introduction to Lean (LH)	0.15	11:00	11:15
Value Stream Mapping (VSM)	0.15	11:15	11:30
5 Yrs of Analysis	0.15	11:30	11:45
Failure Modes and Effects Analysis (FMEA)	0.15	11:45	12:00
Lunch	0.15	12:00	12:15
Introduction to Statistical Process Control	0.15	12:15	12:30
Introduction to	0.15	12:30	12:45
Statistical Analysis Tools	0.15	12:45	13:00
Customer Reviews	0.15	13:00	13:15
Next Steps/Outlook	0.15	13:15	13:30
Session & Reviews	0.15	13:30	13:45
Post-Event Feedback	0.15	13:45	14:00

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Kaizen Lean Six Sigma – Green Belt Training Split - (2 x 2 Days)

Days 3 & 4 Schedule

SESSION TITLE - In-house Company Program	Duration	Start	End
DAY 3 - KAIZEN LEAN SIX SIGMA GREEN BELT			
Day 3 Review, Photo/Video, Quiz & Day 3 Overview	0.30	8:30	9:00
Effective Meetings/Workshops	0.30	9:00	9:30
Team Agreements/Commitments	0.30	9:30	10:00
Morning Break	0.15	9:30	10:00
500+ Techniques	1.00	10:00	11:00
Lunch	0.15	11:45	12:00
Activity - Plan for CI Workshop (present to group)	1.30	12:00	13:30
Morning Break	0.15	14:15	14:30
Facilitation Practice	2.00	14:30	16:30
Questions & Answers	0.15	16:30	16:45
Post-Event Feedback/CI/CI/CI	0.15	16:45	17:00

SESSION TITLE - In-house Company Program	Duration	Start	End
DAY 4 - KAIZEN LEAN SIX SIGMA GREEN BELT			
Day 4 Review, Photo/Video, Quiz & Day 4 Overview	0.30	8:30	9:00
Continuous Improvement - What is it?	0.30	9:00	9:30
CI Program Characteristics	0.30	9:30	10:00
Building your company's Continuous Improvement Program	0.30	9:30	10:00
CI Program - Session 1	0.30	9:30	10:00
Morning Break	0.15	10:00	10:15
Lunch	0.15	12:15	12:30
CI Program - Session 2	0.30	12:30	13:00
CI Program - Session 3	0.30	13:00	13:30
Morning Break	0.15	14:15	14:30
Present Program to Executive Sponsor	0.30	14:30	15:00
Sponsor Feedback, Questions & Answers	0.30	15:00	15:30
Building Program on Day 3	0.30	15:30	16:00
Review of Expectation from Day 1	0.30	16:15	16:45
Course Feedback and CI/CI/CI	0.15	16:45	17:00

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We will map your program against the international standard (RABSQA - TCD 68) Lean Six Sigma Black Belt competency standard, establish gap analysis and design a program of work in line with gap analysis outcomes, work commitments and time schedules, plus completion of a significant internal company project + use of advanced statistical techniques to demonstrate Black Belt competencies and skills acquired to achieve certification to (RABSQA -TCD 68)

Lean Six Sigma Black Belt competency standard costs are based on time duration and quantification of gap analysis outcomes, program frequency and project completion timing T.B.C upon confirming course schedule, typical duration length = 10 days of leadership mentoring coaching and training, then followed by the nominated 2-3 month DMAIC company sponsored project, then assessment and certification review process will take place.

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Kaizen Lean Six Sigma – Black Belt

10 Day Advanced Mentoring Coaching Program



SESSION TITLE - Black Belt Program	Duration	Start	End
1st DAY - LEAN SIX SIGMA DMAIC Frameworks / Methods		9:00	
Welcome & Agenda review for the day	0:10	9:00	9:10
Safety / Ground Rules / Expectations	0:05	9:10	9:15
Participant introductions / Share Experiences / Backgrounds	0:30	9:15	9:45
Define & Measure Phases	0:15	9:45	10:00
Define Customers and Requirements (CTQs)	0:25	10:00	10:25
Develop Problem Statement, Goals and Benefits	0:05	10:25	10:30
Identify Champion, Process Owner and Team	0:15	10:30	10:45
Define Resources	0:15	10:45	11:00
Evaluate Key Organisational Support	0:10	11:00	11:10
Develop Project Plan and Milestones	0:15	11:10	11:25
Develop High Level Process Map	0:20	11:25	11:45
Define Defect, Opportunity, Unit and Metrics	0:15	11:45	12:00
Detailed Process Map of Appropriate Areas	0:20	12:00	12:20
Develop Data Collection Plan	0:10	12:20	12:30
Lunch	0:45	12:30	13:15
Validate the Measurement System	0:45	13:15	14:00
Collect the Data	0:45	14:00	14:45
Begin Developing Y=f(x) Relationship	0:15	14:45	15:00
Determine Process Capability and Sigma Baseline	0:30	15:00	15:30
Summary Day 1 - Plus-Deltas / Questions	0:30	15:30	16:00
Close	0:20	16:00	16:20
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SESSION TITLE - Black Belt Program	Duration	Start	End
2nd DAY - LEAN SIX SIGMA DMAIC Frameworks / Methods		9:00	
Welcome & Agenda review for the day	0:10	9:00	9:10
Analyse & Improve Phase	0:05	9:10	9:15
Define Performance Objectives	0:30	9:15	9:45
Identify Value/Non-Value Added Process Steps	0:15	9:45	10:00
Identify Sources of Variation	0:25	10:00	10:25
Determine Root Cause(s)	0:05	10:25	10:30
Determine Vital Few x_s , $Y=f(x)$ Relationship	0:15	10:30	10:45
Determine Vital Few x_s , $Y=f(x)$ Relationship	0:15	10:45	11:00
Determine Vital Few x_s , $Y=f(x)$ Relationship	0:10	11:00	11:10
Determine Vital Few x_s , $Y=f(x)$ Relationship	0:15	11:10	11:25
Determine Vital Few x_s , $Y=f(x)$ Relationship	0:20	11:25	11:45
Determine Vital Few x_s , $Y=f(x)$ Relationship	0:15	11:45	12:00
Determine Vital Few x_s , $Y=f(x)$ Relationship	0:20	12:00	12:20
Determine Vital Few x_s , $Y=f(x)$ Relationship	0:10	12:20	12:30
Lunch	0:45	12:30	13:15
Perform Design of Experiments	0:45	13:15	14:00
Develop Potential Solutions	0:45	14:00	14:45
Define Operating Tolerances of Potential System	0:15	14:45	15:00
Assess Failure Modes of Potential Solutions	0:30	15:00	15:30
Validate Potential Improvement by Pilot Studies	0:30	15:30	16:00
Corred/Re-Evaluate Potential Solution	0:20	16:00	16:20
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SESSION TITLE - White Belt Introduction Program	Duration	Start	End
3rd DAY - LEAN SIX SIGMA DMAIC Frameworks / Methods		9:00	
Welcome & Agenda review for the day	0:10	9:00	9:10
Improve Phase (Continued)	0:05	9:10	9:15
Improvement Strategy	0:30	9:15	9:45
Kaizen	0:15	9:45	10:00
5S (Sort, Set in order, Shine, Standardise, Sustain)	0:25	10:00	10:25
Poka Yoke (Mistake Proofing)	0:05	10:25	10:30
Just-In-Time (JIT)	0:15	10:30	10:45
Pull and Push Systems	0:15	10:45	11:00
Kanban	0:10	11:00	11:10
Batch Flow and Single Piece Flow	0:15	11:10	11:25
Standardised Work	0:20	11:25	11:45
Layout Planning	0:15	11:45	12:00
Total Productive Maintenance (TPM)	0:20	12:00	12:20
Overall Equipment Effectiveness (OEE)	0:10	12:20	12:30
Lunch	0:45	12:30	13:15
Single Minutes Exchange of Die (SMED)	0:45	13:15	14:00
Value Stream Map (VSM) – Future State	0:45	14:00	14:45
Design of Experiment (DOE)	0:15	14:45	15:00
Cost-Benefit Analysis	0:30	15:00	15:30
Improvement Solution Selection	0:30	15:30	16:00
Resistance Management and Force Field Analysis	0:20	16:00	16:20
Project Pilot			
Summary Day 1; Plus-Deltas / Questions / Close			
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SESSION TITLE - White Belt Introduction Program	Duration	Start	End
4th DAY - LEAN SIX SIGMA DMAIC Frameworks / Methods		9:00	
Welcome & Agenda review for the day	0:10	9:00	9:10
Control Phase	0:05	9:10	9:15
Standardisation	0:30	9:15	9:45
Control Plan Overview	0:15	9:45	10:00
Documentation	0:25	10:00	10:25
Future Training Requirements - next wave of project requirements	0:05	10:25	10:30
Dashboards Critical Visual Controls - speed, quality and cost control	0:15	10:30	10:45
Statistical Process Control	0:15	10:45	11:00
Variable Control Charts (Xbar-R, Xbar-S, ...)	0:10	11:00	11:10
Attribute Control Charts (C chart, P chart, ...)	0:15	11:10	11:25
Before and After Analysis / Project Closure	0:20	11:25	11:45
Define and Validate Monitoring and Control System	0:15	11:45	12:00
Develop Standards and Procedures	0:20	12:00	12:20
Implement Statistical Process Control	0:10	12:20	12:30
Determine Process Capability	0:45	12:30	13:15
Lunch	0:45	13:15	14:00
Develop Transfer Plan, Handoff to Process Owner	0:45	14:00	14:45
Verify Benefits, Cost Savings/Avoidance, Profit Growth	0:15	14:45	15:00
Close Project, Finalize Documentation	0:30	15:00	15:30
Communicate to Business, Celebrate	0:30	15:30	16:00
Summary Day 1; Plus-Deltas / Questions / Close	0:20	16:00	16:20
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Kaizen Lean Six Sigma – Black Belt

10 Day Advanced Mentoring Coaching Program



SESSION TITLE - Black Belt Program	Duration	Start	End
5th DAY - LEAN SIX SIGMA DMAIC Frameworks / Methods		9:00	
Welcome & Agenda review for the day	0:10	9:00	9:10
Safety / Ground Rules / Expectations	0:05	9:10	9:15
Participant Introductions / Share Experiences / Backgrounds	0:30	9:15	9:45
Leadership Methods and Practice - Servant Leadership	0:15	9:45	10:00
Kaizen Lean and Six Sigma - History, Differences in Approach	0:25	10:00	10:25
The Learning Cycle	0:05	10:25	10:30
Continuous Improvement Roles / Relationships / Behaviours	0:15	10:30	10:45
Morning Break	0:15	10:45	11:00
Reason and Need for Change	0:10	11:00	11:10
Lean - 8 waste Overview	0:15	11:10	11:25
Project Pilot	0:20	11:25	11:45
Voice of the Customer and Customer Requirements	0:15	11:45	12:00
SIPOC - Supplier In / Process Out / Control - quality/cost/speed	0:20	12:00	12:20
Customer Exp VOC, Value Creation / Critical to Quality / COPQ	0:10	12:20	12:30
LUNCH	0:45	12:30	13:15
Turnaround Time, Touch Time, TAKT, OPE, Tech Limit, Operator Variance	0:45	13:15	14:00
DMAIC methodology Define, Measure, Analyse, Improve, Control	0:45	14:00	14:45
Six Sigma DMAIC with PDCA - The problem solving methodology	0:15	14:45	15:00
Data Understanding / Statistical Control / Data Collection / Analysis	0:30	15:00	15:30
Summary Day 1: Plus-Deltas / Questions	0:30	15:30	16:00
Close	0:20	16:00	16:20
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SESSION TITLE - Black Belt Program	Duration	Start	End
6th DAY - DIGITAL AGILITY LEAN AGILE LEADERSHIP TRENDS		9:00	
Welcome & Agenda review for the day	0:10	9:00	9:10
Safety / Ground Rules / Expectations	0:05	9:10	9:15
Continuous Improvement - What is it?	0:30	9:15	9:45
CI Program Characteristics	0:15	9:45	10:00
Building your companies Continuous Improvement Program	0:25	10:00	10:25
CI Program - Session 1	0:05	10:25	10:30
Morning Break	0:15	10:30	10:45
CI Program - Session 2	0:15	10:45	11:00
Lunch	0:10	11:00	11:10
CI Program - Session 3	0:15	11:10	11:25
Afternoon Break	0:20	11:25	11:45
Present Program to Executive Sponsor	0:15	11:45	12:00
Sponsor Feedback, Questions & Answers	0:20	12:00	12:20
Update Program & Next Steps	0:10	12:20	12:30
Lunch	0:45	12:30	13:15
Servant Leadership / Mindset Change / Executive Behaviours	0:45	13:15	14:00
Mindset Change / Agility / Lean / Kanban / Agile Digital World	0:45	14:00	14:45
Digital Transformation / Software Development / ITIL / IOT	0:15	14:45	15:00
Industry 4.0 - The future Manufacturing Footprint Direction	0:30	15:00	15:30
Artificial Intelligence / Machine Learning / RPA / Simulation Software	0:30	15:30	16:00
Summary Day 1: Plus-Deltas / Questions / Close	0:20	16:00	16:20
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Please make contact with us to obtain the latest Training program dates and pricing is dependent on course location, either company in-house or public courses may be undertaken! please contact us by email @ info@richterconsulting.com.au or by phone +61 417766611

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