

Introduction to Lean and the Kaizen Blitz: 1-Day Certificate Workshop

Management Support Network offers a 1 day on-site workshop that provides participants with an awareness of the lean principles and a plan to “Blitz” lean into their organization.

The workshop is a blend of classroom discussion, exercises and case studies.

Lean topics covered during the Workshop:

- Overview of Lean Manufacturing and the 7 wastes
- Value Stream Mapping
- Project Definition & Project Mgmt
- Workplace Organization (5S Programs)
- Setup Time Reduction
- Pull Systems, Kanban & Visual Control
- Total Productive Maintenance
- Problem Solving Tools
- Quality Management Systems

Kaizen Blitz is one of the process improvement techniques used to quickly implement the Lean Principles into the organization.

Professional Fees: \$1,800; Manual & Certificate: \$25 per person. Ideal for groups between 3-12 employees.

(Custom Lean & Kaizen Consulting & Training Programs are available upon request)

Learning Objectives:

At the end of the course, participants will:

- Understand how each “Lean Principle” can be applied to your organization
- Identify where “Lean” can improve the performance of your organization
- Understand the difference between Value Added activities and Non-Value Added activities
- Learn how to increase Employee Involvement and use the Kaizen Blitz to implement Lean
- Develop a plan of action for implementing the appropriate “Lean Principles”

Workshop Preparation:

To get the most value from this workshop, complete the following before the start day:

- 1) Make a list of the problems that the organization has experienced over the last 6 months.
- 2) Select workshop participants that are “stakeholders” in the processes under investigation.

Who should attend:

- Any manager or employee who is responsible to participate in improving the performance of the organization.

Automotive Supply Chain Root Cause Problem Solving (8-D): Certificate Workshop

Management Support Network offers a 1-day and 2-day, on-site root cause problem-solving workshop to help teams solve problems by identifying and eliminating the root cause. This certificate course is designed for automotive suppliers and is based on the “Global 8-D Problem-Solving Methodology”.

This workshop involves several case studies and exercises, which allows participants to practice the problem solving methodology. The course also provides an opportunity to apply the methodology to problems from your organization.

Professional Fees: \$1,800 - \$3,400; Manual & Certificate: \$25 - \$50 per person

Who Should Attend:

Individuals and teams that are responsible to complete Corrective Actions or to solve problems. Typically, key personnel from engineering, quality, manufacturing, R&D and program management are good candidates.

Learning Objectives:

During this workshop, participants will:

- Understand the 8-D Problem Solving Methodology and other problem solving requirements from GM, Ford and Chrysler
- Apply the problems solving methodology to case studies and real-life examples in order to use it correctly.

5S Programs

Management Support Network offers three ways to bring 5S to your organization. First, we have a range of 5S training, aimed at various parts of your organization. Second, we have a 5S Quick Start program, to start implementing 5S in a demonstration area within your plant or office. Finally, we can provide you with implementation services for a company wide 5S system.

Option 1: Custom Training Sessions:

We can provide training to various audiences within your organization, including:

- Senior Management (2 hours)
- Middle Mgmt/ Supervisors (4 hours)
- Employees (2 hours)

Option 2: The 5S “Quick Program”

This program is a concentrated, immediate assault on workplace wastes and inefficiencies. The program is based upon “rapid cycles” or “bursts” of education/training followed by immediate application of the concepts learned.

The “Quick Start” program includes:

- Introducing the Five S (5S) “Quick Program”

- Identify and train the Manufacturing Improvement Committee (M.I.C.) members
- Identify and train the Area Improvement Group (A.I.G.) members
- Launch the Five S (5S) “Quick Program”

This “Quick program” takes five days over a 4-6 week period. On completion the Consultant provides a report for management outlining the results. The report will also recommend programs and activities for continued benefits.

Option 3: 5S Implementation Consulting:

Company wide implementation follows initial training and a demonstration project. We can assist you in many ways. We provide guidance to implementation committees, auditing of results, additional training and problem solving on the shop floor, and so forth. We can help you overcome the common problems that attend the introduction and entrenchment of a 5S system, and help you develop it into one of the most powerful tools for ensuring consistency and excellence in day to day activities throughout your company.”

Professional Fees: \$1,800/ day

Lean Manufacturing Workshop : 5-Day Workshop

Management Support Network offers a 5 day on-site workshop that provides participants with an awareness of the lean principles and a plan of action to implement “Lean” in their organization.

Our Senior Consultant spends one day in your facility the day before the workshop to become familiar with your organization and the opportunities for improvement.

Each of the following workshop modules is a blend of classroom discussion, simulation exercises and case studies over the next 5 days.

Lean Workshop Modules:

- Overview of Lean Manufacturing
- Value Stream Mapping
- Project Definition & Project Mgmt
- Workplace Organization (5S)
- Setup Time Reduction
- Pull Systems, Kanban & Visual Control
- Total Productive Maintenance
- Problem Solving Tools
- Quality Management Systems

Who Should Attend:

Senior managers, intermediate-level managers, and other employees who are responsible to implement and maintain the “Lean Principles”

Learning Objectives:

During this 5-Day Certificate Workshop, participants will:

- Understand how each “Lean Principle” can be applied to your organization
- Understand where “Lean” can improve the performance of your organization
- Develop a plan of action for implementing the appropriate “Lean Principles”

Workshop Preparation:

To get the most value from this workshop, complete the following before the start day:

- 3) Make a list of the problems that the organization has experienced in this process over the last 6 months.
- 4) Select workshop participants that are “stakeholders” in the processes under investigation.

Professional Fees: \$9,000 + \$50/manual & certificates for up to 15 participants

Simulation-Based Value Stream Mapping Workshop

The purpose of the workshop is to explore the current state of the production system, and develop scenarios for an improved state, using lean manufacturing and other improvement techniques. The workshop selects and describes improvement activities that will transform the current state into the selected future state.

Simulation is a process mapping tool that runs work through the value stream, and gathers data on such aspects of performance as queue time, process time, production lead time, equipment and resource utilization rates, and the various costs associated with processing of orders. We use a visual interactive computer simulation modeling application to map the value stream and test improvement scenarios.

There are a number of benefits to our approach over traditional value stream mapping, whether paper or computerized flow chart based.

- Modeling tests the understanding of the current state, since it demands that the performance measures of the model match those of the real system
- Modeling often alerts team members to overlooked near-bottle necks, resource imbalances, and various kinds of hidden waste, and tends to produce more and better improvement ideas
- Modeling allows for quick testing of several scenarios and comparison of competitive proposals, based on accepted measures of performance
- Modeling allows for precise calculation of payback
- The “fun” component of simulation building and testing engages team members more than traditional static methods tend to
- Where Visio flow charts exist, they can be instantly converted to an interactive model
- Modeling speeds up development of revised value stream maps, and allows the value stream manager to test out and anticipate performance of intermediate steps on the way to the fully fledged future state

The workshop allows the improvement team to work as a group, or in smaller breakout sessions, with the workshop leader, to build a simulation of the current state, and test performance under various conditions and order profiles. The group can consider a number of improvement suggestions, and compare results with highly realistic performance measures, and choose a future state that has a high probability of meeting corporate goals. The team also learns what is involved in transitioning to the future state, and managing under this new regime. Detailed improvement plans, with all projects justified based on return on investment, leads to better implementation.

The goals of the workshop are to develop a current state simulation, a future state simulation, specific transition states, and cost justification of the proposed changes. The workshop also aims to develop a management plan for the various states, as the current state transitions to the selected future state. Also included is the development of an implementation plan, including equipment modification and replacement, training plans, systems modifications, and other organizational changes required to support the improvements.

More complex production systems may require additional model building time. There is no need to purchase simulation software, as all models can be used via a free player. Dialog interfaces allow team members to explore selected aspects of the model independently.

Post workshop consulting involvement with the client can include implementation facilitation or management, kaizen blitz leadership, and implementation effectiveness auditing.

Professional Fees & Timing: Typical timing for this workshop is six to eight weeks, with weekly workshop meetings lasting two to four hours. Including offsite model building activities, consulting days will generally run from 12 to 15 days @ \$1,800/day = \$20,000 - \$25,000.

17-Day Six Sigma Black Belt Workshop

Black Belt Overview

Management Support Network offers a 17-day Black Belt training and coaching program. This program provides participants with a working knowledge of the Six Sigma methodology and an opportunity for each participant to apply the Six Sigma tools on their project.

Preparation

Before the Black Belt training begins, our Senior Consultant spends one day at your facility to develop a deployment plan. This plan includes identifying the project opportunities, project objectives, project timelines, Black Belt candidates and Project Champions. The projects are selected to have a significant impact on the organization.

Senior Management Training

The next step is to provide 1 day of “Champion” training so the Leadership Team, Champions and Process Owners are aware of the Six Sigma methodology, the Six Sigma tools and their roles and responsibilities.

Program Design

The training and coaching portion of the implementation is 15 days, delivered in one or two day sessions over 12 to 16 weeks. Each session will include a review of all projects with the leadership team/champions.

Some statistical knowledge is imparted and participants should be “comfortable with numbers”. Minitab is used during the sessions and access is required – even on a shared basis.

Design of each Training Module

Each training module is designed to provide participants with a working knowledge of the Six Sigma concepts and an opportunity to discuss and practice the concepts during a case study or exercise. The module ends with the Senior Consultant, Black Belt Candidate and Implementation Team applying the Six Sigma tools to their projects.

Who Should Attend:

Senior managers, intermediate-level managers, and other employees who are responsible for managing processes and improving business performance. Also, the number of participants should ideally be more than six, but no more than 12.

Learning, Examination & Certification

If requested, we will set and administer an examination to test each participant's retained learning and proficiency in the methodology and tools taught. Also if requested, upon successful completion of the deployment (and examination if required), each participant will be certified as having successfully completing our 3-week Black Belt program

Green Belt certificates will be issued to participants that demonstrate competence in at least 10 days of training. At the start of the training program, the Senior Consultant & the Champions will determine the mandatory modules that participants need to show competence to earn a Green Belt.

Professional Fees: \$30,000 + \$50/manual & certificates for up to 15 participants

Custom Training & Consulting Support (continued)

Management Support Network Inc. provides custom training course solutions and custom on-site consulting solutions to help organizations become more effective.

Contact Us:

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On-site Consulting Services

- ISO 9000 Quality Management System
- ISO 14000 Environmental Management System
- QS-9000/ TS 16949 Quality Management System
- QS-9000 with TE Supplement Quality Management System
- ISO 13485/88 Quality Management System
- Guide 25/ ISO 17025 Laboratory Requirements
- Health & Safety, HACCP
- Documentation Writing Assistance
- Scientific Research and Experimental Development (SR&ED) Claims
- Customer Satisfaction Measurement & Improvement
- Six Sigma, Lean Manufacturing and Kaizen Process Improvement Initiatives
- Sales Growth Programs (Competitor & Customer research and Growth Plan implementation)
- Business Planning/ Strategic Planning
- Cost of Quality Systems

On-site Training Services

- Internal Audit Training
- Production Part Approval Process (PPAP)
- Documentation Writing Assistance
- Measurement System Analysis (MSA)
- Advanced Facilitation Skills
- Statistical Process Control (SPC)
- Design of Experiments (DOE)
- Six Sigma Methodology (DMAIC)
- Mistake Proofing (Poka Yoke)
- Scrap, Rework & Waste Reduction
- Multi-Skilling the Workforce
- Workplace Organization
- Design for Manufacturability
- Employee Surveys
- Supplier Partnerships/ Reduction
- Theory of Constraints
- Advanced Product Quality Planning (APQP)
- Failure Mode & Effects Analysis (FMEA)
- Geometric Dimensioning & Tolerancing (GD&T)
- Benchmarking
- Value Stream Mapping & Simulations
- Problem Solving
- Market Research
- Equipment Setup Time Reduction
- Inventory Reduction/ Kanban Systems
- Facility Layouts
- Cellular Production
- Variety Reduction
- Quality Function Deployment
- Productive Maintenance
- Kaizen Training & Kaizen Blitz
- Demand Flow Processing