

Now integrates
SIX SIGMA
and
CHANGE MANAGEMENT



Lean Management

18th to 22nd of June 2007: Barcelona (Spain, Catalunya)

CERTIFICATION to become a Qualified and Successful:

LEAN ADVISOR

LEAN COORDINATOR

LEAN CHANGE MANAGER

The Lean Advisor / The Lean Champion

Many international groups have started a Lean Management or Operational Excellence Program. The project owner of these lean initiatives faces several (technical and organizational) challenges in the context of related lean projects and lean programs. Lean for us means practice and practical know-how!

World-Class status does not happen by accident. Many companies have failed in their transformation efforts, as they did not reflect the key success criteria in their project plans. Companies with lean experience know, that lean tools are simple to understand but difficult to organize. To sustain the initial success is not easy.

In many groups new positions such as Lean Advisors, Lean Production Officers, Lean Champions or Lean Change Managers are established. This is a challenging profession where deep and comprehensive qualification is a true need. In this strategic function the Lean Project Coordinator is responsible for the definition of the strategic lean standard and for its roll-out over many sites (Lean Strategic Director, Lean Project Manager). For an international group, lean expertise has an even higher priority as rapid lean success must be multiplied systematically.

Practical lean implementation expertise is among the most important issues to be assured before starting a lean initiative. The professional design of lean production systems is crucial for the mid-term success of the company. Hence, the responsible lean organization (project team) must be qualified how-to implement lean successfully.

Lead a sustainable successful Lean Initiative !

Assure your lean implementation expertise before starting your lean journey !



Challenge Lean Advisor: Organized elimination of any type of waste is the key tenet of lean. It is not the objective to become lean by simply reducing headcount. Instead, it is an efficient method to implement the company's vision to be a key player in the business. To eliminate waste in manufacturing and business processes is organized by a **systems approach**. A systems approach

is that important, because the lean transformation is a one-way road towards success. There is no doubt for the organization (compared to other popular trends) that the company is willing to start the change, lead the change and improve continuously. Together with the employees, organized as teams (effective work groups) as the 'operating system' for the lean production system, is the way to improve productivity and reduce unit costs significantly and to a sustainable level.

With this workshop the lean advisor is qualified to perform in his/her function. This workshop covers the most important aspects of lean with many lean methods and processes organized in a systems framework. By means of this training / workshop, the lean advisor or lean champion is qualified **how-to implement lean in the daily business**. The integration into daily business is essential for your successful lean transformation. With a running problem solving process at the team level, management gets time to think about strategic optimizations in the whole value stream. Still too many companies are optimizing in local functions and are not considering the overall value stream. Many departments are still working like "chimneys".

In our unique seminar you will get a detailed **Overview of the different lean improvement tools (lean methods)** and the structural elements of an integrated production system. Furthermore you'll become enabled to design, plan and implement your lean initiative.

The Lean Advisor's qualification includes the **organizational implementation and integration of Lean**. How can you manage to involve the middle management? How improvement processes can be installed to a sustainable level? How the top-management is playing an active part for your lean journey? You'll also get to know the management tools and techniques which assure a disciplined and rigorous approach. Discipline is required as success does not happen by chance...

CEO's discuss currently if **Six Sigma** can be combined with **Lean** or if these initiatives exclude each other (**Lean vs. 6 Sigma**). We put light on this aspect.

Lean Advisor – the internal consultant on site or for the group

This intensive workshop is conceived for: management members, plant / factory manager, production manager, operations manager, supply chain manager, lean project responsibility, lean project manager, quality manager as well as for managers and employees from the following areas:

- production (manufacturing, assembly)
- production planning and scheduling
- supply chain, purchase departments
- quality management (6 Sigma)
- industrial engineering, technical engineering, maintenance
- process improvement teams, CIP-teams

The Lean advisor: Learning by doing and sharing knowledge

You are actively involved in this intensive, practice-driven workshop and you have the great opportunity to discuss your individual problems with leading lean experts. Time is available to discuss your specific questions and problems in finding solutions for your company.

Operators and teams are shown effective case studies and group exercises (games) as an integral part of this professional training. You will obtain a comprehensive documentation and guideline (Lean Advisor Manual), which gives you a detailed description. The handbook is module-based and thus can be used for optimized and efficient application in your own company.

The Lean advisor: Outstanding and challenging job perspective

For groups with more locations (Lean project management, Lean Project Coordinator, Lean Director) there will be practical examples, procedures on how operations are increasing their efficiency and productivity. Systematic success is achieved through a standardized Lean System Review and specific benchmarks.

To become a Lean project coordinator is the right personal decision as more and more companies go for Lean management programs or Lean production systems. The new function for implementing Lean at several sites (e.g. affiliated groups) requires a qualified and professional foundation in lean implementation expertise, which makes you unique in your organization.

Become a specialist in this key improvement technology. The lean-based optimization process is a business requirement to remain competitive in a globally and dynamically changing world.

Purpose and objectives of the Lean Advisor seminar workshop

Giving the companies the possibility to increase their internal lean capability by the professional qualification, training and coaching of internal Lean consultants.

These “Lean Champions”, “Lean Coordinators”, “Lean Advisors” will be able to lead the continuous improvement process of your company efficiently. The trainees obtain both a comprehensive, deep and practical insight in successful lean transformations.

This includes:

- a deep and comprehensive expertise for the different **tools** for Lean Production
- an understanding to **organize** these tools as a part of your daily business
- a design, planning and implementation **guideline** for business effective lean programs
- a better understanding for the dynamics of **change** processes in the organization
- the ability to organize lean improvement **programs** in your own company
- a decision support when to select the right lean **tools** or lean standard

Day 01 (Start 09:00 End 16:30)

Lean, Lean Production and Lean Production System – Definitions

- ▮ How to act effectively and efficiently while implementing a Lean production system?
- ▮ Lean Excellence – basic knowledge for a Lean production system
- ▮ Definition and intention of Lean Excellence
- ▮ Organized elimination for every kind of waste
- ▮ How does a production system affect a positive company result to a sustainable level?
- ▮ Effectiveness of a production system (Savings, ROI, business cases)
- ▮ Architectures and designs of efficient lean production systems
- ✚ Discussion: best practice, Benchmarks at the participants' companies

Continuous Improvement and the Lean Champion as a Change Agent

- ▮ The scope for continuous improvements
- 🔧 TOOLBOX Continuous improvement process (CIP-Workshops)
- ▮ Evaluation of organisational expertise
- 🔧 TOOLBOX The CIP simulation game
- ▮ The power of performance test
- ▮ Measuring– recording – analyze - improve
- 🔧 TOOLBOX DMAIC-Method: Define, Measure, Analyze, Improve, Control


Elements of an integrated production system: System vs. Single tools

- ▮ What is the Toyota Production System (TPS)?
- ▮ Key success criteria for Lean Production Systems
- ▮ Introduction plan – strategies, procedures and penetration








The Lean Advisors part within the scope of Lean programs

- ▮ Which assignments does the Lean Advisor have?
- ▮ What are typical supporting organizations to implement lean?
- ▮ How to manage and plan a successful Lean production system as a project?
- ▮ Typical job descriptions for lean champions and lean advisors
- 🔧 TOOLBOX The Lean Roadmap and the Lean Project plan
- ▮ Which steps, phases, levels must be planned within the scope of Lean project?
- 🔧 TOOLBOX Lean roll-out plans, Initial application areas and
- ▮ Visible stories of success to communicate immediately



Continuous improvement and problem solving

- ▶ Continuous Improvement Processes vs. Continuous Improvement Projects
- ▶ The PDCA – wheel
- ▶ Define, measure, analyze, improve, control (DMAIC) – the generic problem solving process
- ▶ Creative and analytical problem solutions
- ▶  TOOLBOX The 7 Quality tools (QC Tools)
- ▶ Identification and prioritizing of problems
- ▶ The 7 + 1 “deadly sins” : avoid and eliminate every kind of waste

Focus on the major opportunities for improvement: the value stream

- ▶ Process mapping (“ASME”) and value stream analysis
 - ▶ Value stream process: value stream analysis, value stream design for identification of the biggest improvement potentials
 - ▶  TOOLBOX Value Stream Mapping (Current and Future State)
 - ▶ Methods assignment - which lean tool is appropriate and when?
 - ▶ Lean methods for a successful project
 - ▶  TOOLBOX 5S, Visual factory, Visual Management
 - ▶  TOOLBOX Single Minute Exchange of Dies SMED , Quick Changeover (QCO)
 - ▶  TOOLBOX TAKT – Time and Line Balancing (Leveling)
 - ▶  TOOLBOX ABC-analysis and material planning
 - ▶  TOOLBOX Pull-systems / Kanban / Inventory reduction
 - ▶  TOOLBOX Workplace organization
- ✚ Discussion: are companies with Value Stream Maps already “lean”?

The management process: Leadership is not only necessary but essential

- ▶ From the site’s lean vision to specific goals and objectives
 - ▶ Lean management process – organization for lean
 - ▶ Development of the lean implementation strategy
 - ▶  TOOLBOX The Master plan as a strategic lean implementation plan
 - ▶  TOOLBOX The Scorecard as a navigator and measuring instrument
 - ▶ Agreement on objectives top down vs. bottom up (Scorecard, Team Scorecard)
 - ▶ Policy Deployment – Systematic (Hoshin-Planning)
 - ▶ Composition of an efficient lean metrics system for measuring and controlling the whole process
- ✚ Discussion: How to avoid uncoordinated actions with proper planning

Change Management – the permanent change of a corporate culture

- ▮ Change Management: Fundamentals for Lean
 - ▮ Why Change is essential for a sustainable lean success
 - ▮ Leadership (lead the change) and empower the people (employee involvement)
 - ▮ Change: Understanding, leading and monitoring the change
 - ▮ “Change the man or change the man!”
- ✚ Discussion: Is lean about tools or is lean about people?

Team structures and involving the whole company

- ▮ The employee: the production systems most important foundation
 - ▮ Group work, effective work groups
 - 🔧 TOOLBOX The standardized problem solving process
 - 🔧 TOOLBOX The problem solving report (Corrective Action Report, CAR)
 - ▮ Effective work groups with detailed and clear roles and responsibilities
 - ▮ Introduction and visualisation of measures / key figures on work group level (Team information table, group activity boards)
 - ▮ Problem analysis and root cause analysis
 - 🔧 TOOLBOX Design of standardized team activity boards
 - 🔧 TOOLBOX Typical team structures following the manufacturing process
- ✚ Discussion: Do we need empowered and trained operators?

Team building – team support - team development: the “new” employee



- ▮ Values that guide our behaviour: management characters and characteristics
 - ▮ Teams: guidelines for efficient and effective team meetings
 - ▮ Roles in the team, consensus finding, team development phases
 - 🔧 TOOLBOX Standardized team meeting agenda
- ✚ Discussion: How do we reach and motivate the employees?

Lean systems - Integration with Six Sigma (Lean vs. 6 Sigma)



- ▮ Comparison between Lean, 6 Sigma and CIP Workshops (“Kaizen Blitz”)
- ▮ The standardized “plug” to synchronize 6 sigma activities with lean tools
- ▮ What are the key differences between Six Sigma and Lean Systems?
- ▮ How can we synchronize both programs for maximum success?
- ▮ DMAIC and practical examples (“storytelling”)

Day 04 (Start 09:00 End 16:30)

Installing the Lean methods as Lean processes

- ▶ Lean tools in their practical implementations (Standardized work, Poka Yoke)
- ▶ Equipment effectiveness and OEE improvement process
- ▶ Operate your equipment at world class level (OEE>85%)
- ▶ Quality improvement at the first time through (FTT – First Time Through)
- ▶  TOOLBOX Standardized work, “Yamazumi” Boards, Work standards
- ▶  TOOLBOX Problem Solving support process and Process confirmation
- ▶ Discussion: Is there a big quality difference in implementing lean tools?

Standardized Work as a basis for methodical team training

- ▶ Standards: If there is no standard there cannot be any improvement
- ▶ Development of operator and team-oriented standards
- ▶ Criteria for a good working standard (team work!)
- ▶ Application of standards for changeover processes (cf. SMED game)
- ▶  TOOLBOX The standardized work instruction (work element, work analysis and work capacity sheets)
- ▶  TOOLBOX Takt Time, Cycle Time, Line Speed Rate
- ▶ Discussion: Learn aims and learn effects: What results for the employees?

Day 05 (Start 08:30 End ~13:30)

Never fall back to old habits and share best practices to move forward quickly

- ▶ Avoid falling back to old behaviour (“old routine is a typical excuse”)
- ▶ Level and Version planning from Lean-Roll-Outs
- ▶ A lean system specification to define the “traffic signs” and pathway
- ▶ Lean system reviews and lean level, site’s lean score
- ▶ Best practices identification and sharing for multi-site groups
- ▶ Structured and standardized lean knowledge bases (repository)

Lean Excellence - A success story presented by an industry leader

- ▶ Leading lean projects for multinational sites and plants
- ▶ International lean project managements
- ▶ How to get the management buy-in
- ▶ How to train and qualify the key players (lean qualification program)
- ▶ Practical implementation of a lean production system and development to a **Centre of Excellence (an exceptional benchmark and success story)**

Certificate with a European Lean Advisor degree !!!

The workshop trainers and industrial experts:

Albert Eisele, Ford Motor Company

- Quality manager in press shop Saarlouis
- Experience in the production at press shop
- Implementation of quality measurable systems in the USA and GB
- Ford production system coordinator FPS for Saarlouis (D)
- Managing, training and coaching the Lean implementation teams
- Trainer Lean Learning Academy (Saarlouis), member of Lean Implementation Specialist Team (Valencia) and 6 Sigma – qualification (active Black Belt)

➡ **Lean Production System Coordinator / Certified 6-Sigma Black Belt**

International Industry Speaker (ABC Corporation; Europe, US)

- Strategic Lean Leadership
- Lean Software and Value Stream Mapping Tools
- International Lean Programs and Roll-Outs
- Strategic Lean and Cultural Change Management

➡ **Lean Implementation Best Practice**

Andrew Lyall, Hosca Management Consultants (UK)

- Lean management implementation projects for...
- Lean Leadership and Change Management for the automotive, automotive supplier, pharmaceutical and services industries
- Professional experience in strategic re-engineering programs
- Supplier development programs

➡ **Senior Lean Executive Consultant**

Joerg Tautrim, Lean Institute

- Managing and conducting international consulting projects for Lean Production (5S, QCO, VSM, KVP, Ramp-Up), Lean logistics, Planning and maintenance (Lean Maintenance).
- Strategic optimization projects (e.g. Lean Roadmap, Lean Roll-Out, Lean Manufacturing Design) for automotive and supplier industry, Pharma industry, electronic industry and food industry.

➡ **Senior Lean Executive Consultant**

Claus Weichelt, Lean Institute

- Managing and conducting international consulting projects (Lean Deployment Programs)
- Successful implementation of all Lean Methods for Lean Production (5S, QCO, VSM, CIP, Line balancing, ASME-analysis, etc.)
- Lean Analysis, Value Stream Mapping and Value Stream Design
- Lean Audits and Lean System Reviews

➡ **Lean Advisor**

At least 2 trainers per day, in a perfect mix of consultancy and industry, will train and coach you professionally. For further information please contact us:

E-Mail: info@lean-institute.de

Internet: www.lean-institute.com/

Qualified and successful **CERTIFICATION** to become a:



LEAN ADVISOR

LEAN COORDINATOR

LEAN CHANGE MANAGER

Registrations are noted on a first come, first served basis. On receipt of your registration we will send you a confirmation note and an invoice. Invoices should be settled by the beginning of the Seminar at latest. Unless another participant is designated, cancellation one week before the event (date of receipt of the cancellation note) and no-shows will result in loss of the entire fee. A substitute participant can be nominated. Cancellations made before this date will be subject to a processing fee of €320. Please note that all registrations and cancellations must be provided in writing. The organizer reserves the right to change, postpone, relocate or cancel the entire event or parts thereof at short notice.

Due to this on site event, we will inform you about the venue and accommodation separately. In order to facilitate expert networking and best practice sharing the maximum number is limited to 15 persons.

Participation fee:

The seminar fee for registrations made before 16th February 2007 for the workshop is €2595, + tax. For registrations made after this date, seminar fee is €2995, + tax.

The participants fee includes the following:

- Joining the workshop
- Comprehensive Workshop documentation material
- European Lean Practitioner and Professionals Networking
- Individual Coaching (Experience exchange)
- Refreshments during the workshop
- Lunch on each day of the workshop
- One Get together including a dinner

After the first day of the workshop, we invite you to have a drink with us and then we plan to hold a Social Event on another evening. We hope you will take this opportunity to share your experiences with your colleagues (Lean Networking) and establish new interesting contacts.

Ask for a detailed daily schedule with your coordinates via info@lean-institute.de !!

**Send this registration form by Fax:
(+49) - (0) – 721 – 160 89 564**

Use our fax service
or register mandatory online: www.lean-institute.com

Details to participate
Registration and information:
Joerg Tautrim

Lean Institute ®
c/o Dr. Joerg Tautrim Engineering
Consulting engineers
Postfach 41 09 01
D-76209 Karlsruhe (Germany)
Phone: (+49) –(0)- 163 – 8288 - 746
Facsimile: (+49) –(0)- 721 – 160 89 564

E-Mail: info@lean-institute.de Internet: www.lean-institute.de

Herewith, I register myself mandatory to this workshop „Lean Advisor“ at following, marked appointment:

Location information (please check box)

Appointment 1	2007	Appointment 2
18th – 22nd June 2007		12th – 16th November 2007
Barcelona		Milan
Catalunya (Spain)		(Italy)
<input type="checkbox"/>		<input type="checkbox"/>

Participant's information (please complete)

SURNAME, first name	
Company name	
PO-Number	
Address	
Zip code, state	
Position	
Department	
Industry sector	
Phone / Facsimile	
E-Mail	
Date	
Signature	

Thank you very much for your registration, we look forward to welcome you !