



KVALIKON

VEZETÉSI TANÁCSADÓ ÉS
RENDSZERFEJLESZTŐ KFT.



1125 BUDAPEST, ISTENHEGYI ÚT 63/B.

LEAN BASICS TRAINING

2 DAY TRAINING

Aim of the training:

Introduce the Lean Philosophy and methods to the training participants. Prepare the participants for successfully participate in Lean implementation and Value Stream Mapping.

Topics:

1. DAY

LEAN MANAGEMENT PHILOSOPHY

- The history of Lean Management and TPS
- Lean versus traditional production
- Value added concept
- Lean principles (5 principles)
- Advantages of the Lean management

VALUE STREAM MAPPING, WASTE

ELIMINATION

- Value Stream
- Steps of Value Stream Mapping
- Identifying product families and Value Streams
- PQ-PR analysis
- Data gathering, validation
- Analysis and evaluation of current value streams and systems
- Identifying waste: 7 MUDA, 3MU
- Planning of Future Value Stream
- Prepare a Kaizen Action program, Set up and develop improvement concept to

create future higher-performance value streams

CASE STUDY - PREPARING AND ANALYZING

THE VALUE STREAM MAP

MATERIAL STREAM OPTIMIZATION

- PQ- PR analysis
- Spaghetti diagram
- Flow – continuous flow
- Cellular production
- Cell design elements
- Process-oriented organization

HEIJUNKA - PRODUCTION BALANCING

- Capacity Planning
- Tact time, Balancing Production Line, Operator Balance Chart
- 5W 2 H method
- TOC - Theory of Constraints

CASE STUDY - CD ASSEMBLY LINE

LEAN LOGISTICS

- Pull system, JIT, Kanban
- FIFO
- Order management
- ABC and XYZ analysis
- Material Loading, Supply
- CONWIP
- Milkruns
- One piece flow
- Mixed model production
- JIT Manufacturing Conditions
- Production and ordering in Kanban, scope of application

CALCULATION OF KANBAN QUANTITIES

(EXAMPLE)

TPM - REDUCING MACHINE WASTE

- TPM Pillars
- Autonomous Maintenance
- Quick Change Over, SMED in practice

CASE STUDY – OEE ANALYSIS

STABIL PROCESSES, 0 DEFECT CONCEPT

- Theory of quality: „First time right”
- 0 defect concept, built-in quality control
- Importance of prevention, troubleshooting
- Statistical basics, error, standard deviation, average
- SPC (Statistical Process Control)

CASE STUDY – SPC CARD ANALYSIS

EXAMINATION

At the end of the training, the participants complete a short test and answer essay questions, in which we check the level of learning and application of the principles and methods they have learned.