Kanban Essentials Professional Certificate (KEPC™)(KEPC)

ID KEPC **Price** CHF 1,390.—(excl. VAT) **Duration** 1 days

Who should attend

This certification is appropriate for anyone who is interested in becoming a Kanban professional.

Prerequisites

There are no formal prerequisites for this certification.

Course Objectives

- Work Item types
- Card walls
- Pull and push
- Workflow
- WIP limits (Limit work in progress)
- Queues and buffers
- Cadences
- Bottlenecks
- Issues and blocked items.

Course Content

Introduction:

- Lean manufacturing
- Lean
- Lean principles
- Agile
- JIT
- Kaizen
- Lean thinking
- Scrum
- Waterfall vs agile
- Kanban (Development)
- Bad reasons to choose Kanban

History:

- Developed by Toyota in the 1940´s
- Designed to match inventory to demand, not supply
- Relies in improved communication
- Generates less quality failure
- Increase production
- History
- 1962 to 2001
- Toyota´s six rules
- Kanban
- The core practices of Kanban

Five main properties of Kanban

- Manage the workflow
- Limit the work underway
- Visualize the workflow
- Define the process
- Improve as a team

Theory of restrictions

- Constrains exist by nature in any system
- Identifying constrains can improve efficiency
- Exploiting constraints can improve efficiency
- All other decisions hinge upon constraint decisions
- Loop

What is Kanban?

- A scheduling system that allows for just in time delivery
- An inventory control system
- A way to improve productivity in an organization
- A system to use in many frameworks

Value flow map

- Identify where you start
- Identify production requirements (finished product)
- Define the steps in between
- Value stream maps change by nature

Implementing Kanban

- Card walls
- Pulls and pushes
- Workflows
- Queues and buffers
- Cadences
- Bottlenecks

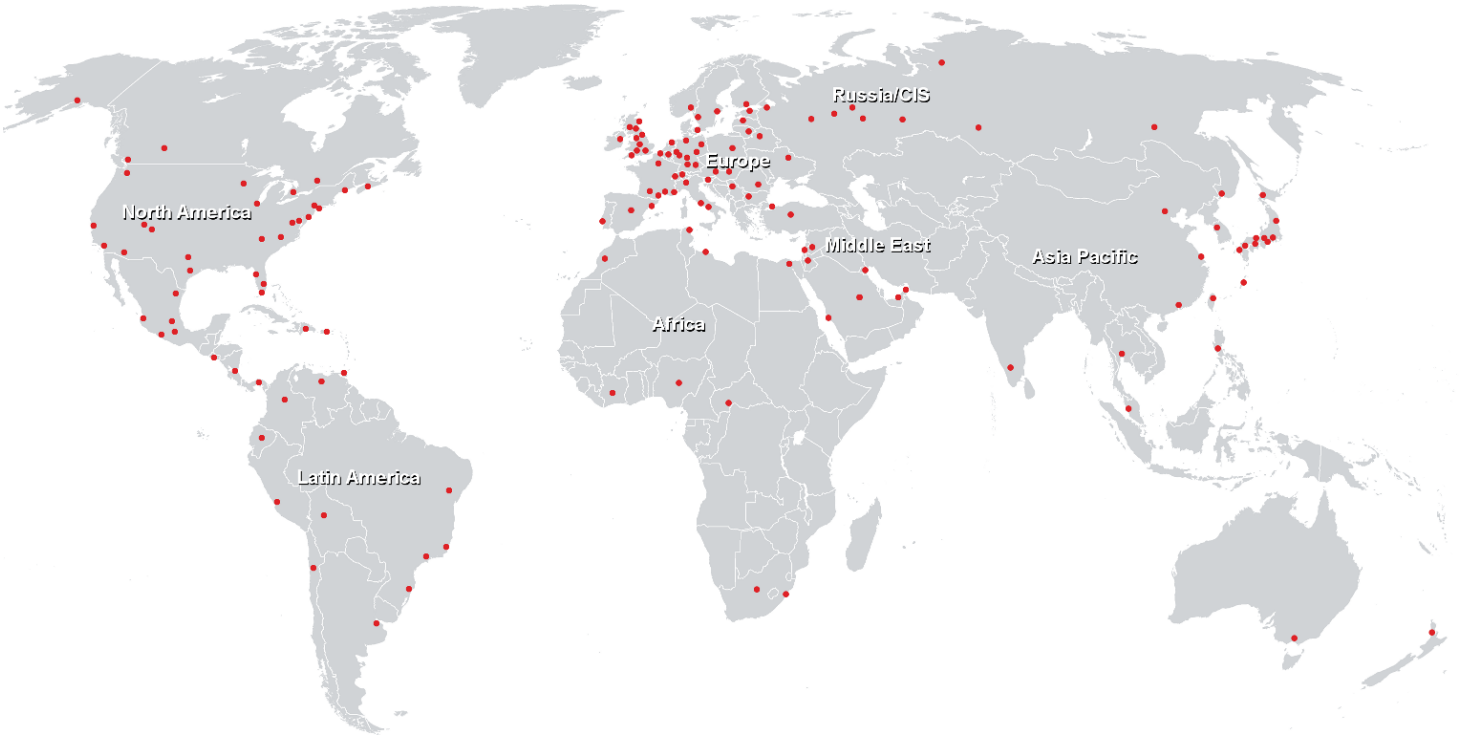
Metrics in Kanban

- Kanban metrics
- Tracking work
- Cumulative flow design
- Lead time
- Trends
- Throughput

Optimizing your Kanban

- Scaling Kanban
- Three types of improvement opportunities
- Estimations
- Class of service
- Service level agreements
- Policies
- Agile software development
- Resources
- Bottleneck
- What’s wrong with the current system?
- Eliminate waste
- Software development patterns mashed together
- Visual management
- Blocker
- Task switching
- Process
- Kanban as flow

Training Centres worldwide





Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Husacherstrasse 3
CH-8304 Wallisellen
Tel. +41 44 832 50 80

info@flane.ch, https://www.flane.ch