

Value Stream Mapping (VSM) for Lean Manufacturing Excellence

From Current State Diagnosis to Future State Transformation

2-Day Intensive Programme | 14 Training Hours |
100% HRDF Claimable



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Stop tolerating waste you cannot see. Start eliminating it the right way — with structured Value Stream Mapping, validated process data, and aligned teams. This intensive 2-day programme equips manufacturing professionals with practical frameworks to map current state value streams, diagnose flow inefficiencies, and translate Lean insights into a clear future state implementation roadmap.

Who Should Attend

Manufacturing engineers, operations managers, production supervisors, continuous improvement teams, Lean/Six Sigma practitioners, process owners, and plant leaders driving operational excellence initiatives.

Why Sign Up

Most Lean projects fail because teams jump to solutions before mapping the full value stream. This programme reduces wasted effort by helping organisations diagnose the right bottlenecks, calculate key metrics, and build internal alignment before transformation begins.

Practical & Structured

Real-world VSM tools for mapping current and future state value streams, calculating Takt Time, Lead Time, and Value Added Ratio (VAR).

Highly Interactive

Hands-on mapping sessions, Gemba-based data collection, AI-assisted waste analysis, and applied group Kaizen planning workshops.

Immediate Organisational Value

Leave with a completed future state map, prioritised Kaizen opportunities, and a 90-day Value Stream Transformation Roadmap aligned to business objectives.

- ✔ Ready to move from waste identification to Lean transformation? Contact us for pricing and scheduling. Email: azli.ismail@eliteindigo.com | WhatsApp: 6012 705 5594 (Aisha) | www.kredenzaadigital.com/eliteindigoprogram

Leave with practical VSM tools, a completed future state map, AI-assisted waste analysis capability, and a clear 90-day implementation roadmap — standing out as more credible Lean leaders who can bridge operations, engineering, data, and continuous improvement teams.

What You Will Learn

6 Core Modules across 2 Days

1

Lean Reframed for 2026 Manufacturing

Understand the 5 Lean principles, VA vs NVA activities, 7 wastes (TIMWOODS), and Process Cycle Efficiency (PCE). Explore why most Lean projects fail and how to avoid common pitfalls in modern manufacturing environments.

2

Value Stream Mapping Fundamentals

Identify the value stream and master VSM techniques including product family identification using AI, VSM icons and symbols, data collection methods, process and information flow, and key measurement metrics – Takt Time, Cycle Time, Lead Time, Changeover Time, and Value Added Ratio.

3

Current State Mapping – Advanced Diagnostic

Hands-on mapping session covering product family selection, Gemba-based data collection, and full construction of the Current State Map using actual production data and structured diagnostic methods.

4

AI-Powered Waste Analysis

Use AI to analyse current state process data – identify bottlenecks, suggest Kaizen priorities, rank impact opportunities, and categorise improvements into short-term vs structural initiatives. Includes a guided AI-assisted analysis activity on current state map data.

5

Future State Design with AI

Apply Future State design questions covering Takt Time vs Cycle Time alignment, pacemaker selection, build-to-order vs supermarket logic, Heijunka levelling, pitch calculation, and flow cell design. Design the future state map using the Day 1 case study with AI-supported scenario analysis.

6

Implementing Change & Strategic Kaizen Prioritisation

Apply looping strategy (3–7 loops guideline), plan Kaizen events, develop action plans, and establish governance and review cadence. Includes a Strategic Kaizen Ranking Workshop with a 90-day Value Stream Transformation Roadmap aligned to business objectives, and integration with Six Sigma for variation reduction.