

# Systems Thinking for Complex Problem Analysis and Solution

27 September – 1 October 2027  
Barcelona (Spain)

UK Training

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## Systems Thinking for Complex Problem Analysis and Solution

**Ref:** 321956\_178342 **Date:** 27 September – 1 October 2027 **Location:** Barcelona (Spain) **Fees:** 5200 GBP

### Why This Course

Organizations today operate within highly interconnected environments where decisions in one area often create ripple effects across the entire system. Traditional problem-solving methods frequently address symptoms rather than root causes, leading to recurring challenges and unintended consequences.

This intensive 5-day program introduces participants to the powerful discipline of systems thinking—an approach that enables leaders and professionals to understand complexity, recognize patterns, and design solutions that create sustainable impact. Through a combination of practical tools, structured frameworks, and real-world case applications, participants will learn how to analyze complex systems, identify leverage points, and implement strategies that drive meaningful organizational change.

### What You'll Learn and Practice

By participating in this program, you will:

- Understand the core principles and methodologies behind systems thinking.
- Apply systems mapping techniques to visualize complex organizational challenges.
- Identify feedback loops, dependencies, and hidden dynamics within systems.
- Recognize unintended consequences and long-term effects of decisions.
- Develop strategic interventions that address root causes rather than symptoms.
- Use systems thinking to strengthen decision-making and problem-solving in complex environments.

### The Program Flow

#### Day 1: Foundations of Systems Thinking

- Introduction to systems thinking concepts and principles.
- Understanding complex adaptive systems in organizations.
- Comparing systems thinking with traditional problem-solving approaches.
- Key tools and frameworks used in systems analysis.

#### Day 2: Mapping and Visualizing Systems

- Creating causal loop diagrams and understanding system archetypes.
- Building stock-and-flow diagrams to illustrate system structures.
- Stakeholder mapping and relationship analysis.
- Defining system boundaries and identifying interactions.

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A graphic of a chessboard with several chess pieces (a king, a queen, a rook, and a pawn) positioned on it. The board is white and black, and the pieces are gold and silver.

### Day 3: Analyzing System Dynamics

- Identifying reinforcing and balancing feedback loops.
- Understanding how systems behave and evolve over time.
- Exploring unintended consequences and ripple effects of decisions.
- Recognizing recurring patterns and emergent properties.

### Day 4: Intervening in Systems

- Strategies for effective and sustainable system interventions.
- Designing solutions that target root causes.
- Managing complexity and uncertainty during change initiatives.
- Assessing the potential system-wide impact of interventions.

### Day 5: Applying Systems Thinking to Organizational Challenges

- Real-world case studies in organizational systems analysis.
- Integrating systems thinking into strategic planning processes.
- Encouraging a systems-thinking mindset across teams and departments.
- Developing an action plan for implementing systems approaches in your organization.

### Individual Impact

- Strengthen your ability to analyze complex problems from a holistic perspective.
- Develop structured approaches for identifying root causes and systemic patterns.
- Improve strategic thinking and decision-making in uncertain environments.
- Gain practical tools that can be applied immediately in real-world situations.

### Work Impact

- Improve the organization's capacity to manage complexity and change.
- Support more informed, long-term strategic decisions.
- Reduce recurring issues by addressing systemic root causes.
- Drive sustainable organizational improvement and innovation.

### Training Methodology

This program combines conceptual learning with practical application to ensure participants can translate insights into action. Learning methods include:

- Interactive workshops and facilitated discussions.
- Hands-on exercises in systems mapping and analysis.
- Case studies drawn from real organizational challenges.
- Collaborative problem-solving activities and scenario analysis.
- Practical frameworks, templates, and tools for ongoing application.

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A graphic of a chessboard with several chess pieces. A large gold king piece is in the foreground, with a silver pawn and a silver knight behind it. The board is checkered, and there are concentric circles in the background.

## Beyond the Course

Upon completion, participants will be equipped to:

- Apply systems thinking to analyze and resolve complex organizational challenges.
- Identify leverage points that enable meaningful and lasting change.
- Integrate systems approaches into strategy, planning, and decision-making.
- Lead initiatives that address complexity with clarity and long-term impact.

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