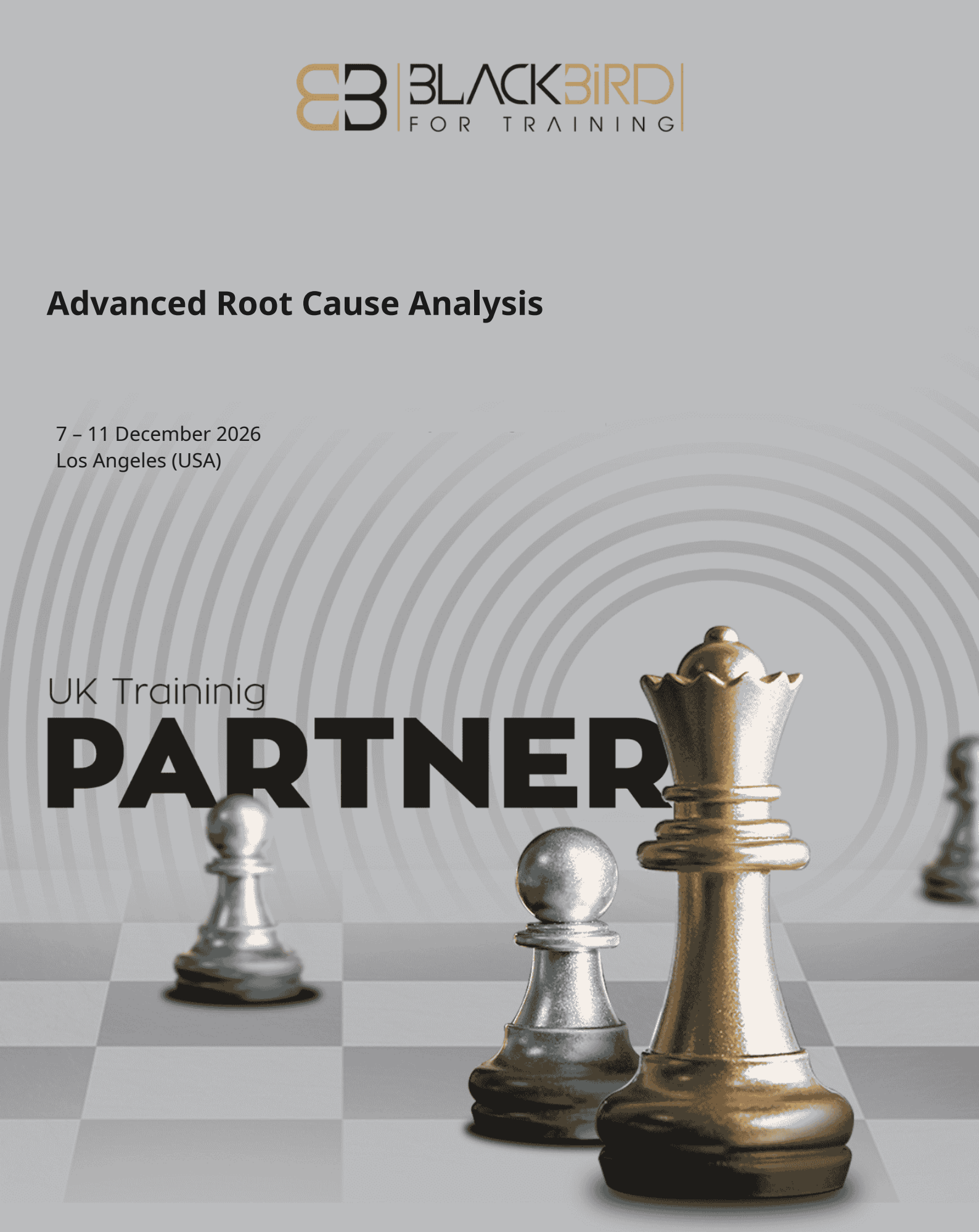
BLACKBIRD FOR TRAINING

Advanced Root Cause Analysis

7 – 11 December 2026
Los Angeles (USA)



Advanced Root Cause Analysis

Ref: 3254498_165609 **Date:** 7 – 11 December 2026 **Location:** Los Angeles (USA) **Fees:** 5900 GBP

Introduction

This course provides a comprehensive exploration of Root Cause Analysis RCA, emphasizing advanced techniques and their integration with methodologies like Six Sigma, Lean, and Kaizen. Participants will gain practical skills in effectively identifying and addressing root causes, thereby enhancing problem-solving and quality management practices in their organizations. By the end of the course, you will be equipped with the tools to apply root cause analysis effectively, improving operational efficiency and addressing issues at their core.

Course Objectives

Upon completion of this course, participants will:

- Gain a deep understanding of the principles and methodologies of Root Cause Analysis RCA.
- Apply advanced root cause analysis methods and techniques in real-world scenarios.
- Integrate RCA with Six Sigma, Lean, and Kaizen for comprehensive problem-solving.
- Practice root cause analysis through real-life case studies and group exercises.
- Develop actionable strategies for implementing RCA within your organization.

Course Outlines

Day 1: Introduction to Root Cause Analysis RCA

- What is Root Cause Analysis? Overview of RCA principles and methodologies.
- Key techniques for effective root cause analysis, including 5 Whys, Fishbone Diagram, and Fault Tree Analysis.
- How to integrate RCA with Six Sigma, Lean, and Kaizen for enhanced quality management and process improvement.

Day 2: Advanced Tools and Techniques

- Understanding root cause analysis methods and how to apply them to various challenges.
- Advanced root cause analysis tools: Cause-and-Effect Matrix, Pareto Analysis, Process Mapping, and their practical applications.
- Introduction to RCA software and data visualization tools to enhance analysis and presentation.



Day 3: Practical Application of RCA

- Root cause analysis steps applied through real-world case studies.
- Group exercises to practice RCA using the tools and techniques learned.
- Problem-solving and root cause analysis: Applying these principles to identify effective solutions.

Day 4: RCA and Improvement Approaches

- Combining RCA with Six Sigma, Lean, and Kaizen to achieve continuous improvement.
- Interactive workshops on integration strategies, addressing root causes through a multidisciplinary approach.
- Best practices for root cause analysis in complex business scenarios.

Day 5: Implementation and Review

- Developing an RCA framework tailored to your organization's needs.
- Overcoming common challenges and resistance in root cause analysis implementation.
- Creating an action plan for applying root cause analysis and reviewing key course takeaways.

Why Attend This Course: Wins & Losses!

- Root cause analysis best practices that will enhance your problem-solving and decision-making skills.
- Learn the types of root cause analysis and when to use each technique for maximum impact.
- Gain insights into advanced root cause analysis methodologies and their integration with other improvement frameworks.
- Obtain a root cause analysis certificate as a testament to your expertise.

Conclusion

By the end of this course, participants will be proficient in performing root cause analysis RCA and integrating it with various problem-solving methodologies, ensuring continuous improvements in quality management. Whether you are looking to solve specific operational issues or enhance overall organizational performance, root cause analysis is a powerful tool that will help you address challenges at their very core. Participants will also be prepared to pursue RCA certification to formally recognize their expertise.

Join us today to learn how to implement root cause analysis RCA in your organization, and empower yourself with the tools and knowledge to drive continuous improvement.

