8D Problem Solving in 8 Disciplines Based on VDA 11 (November 2018 Edition)
(Course Code: VDA11)

1 Day Duration
6 Hours/Day

Course Description

Delivered in-house, this highly interactive and practical course introduces a variety of problem solving tools and shows how Root Cause Analysis and the 8D / Global 8D analytical approach enables problem solving teams to become more effective, accelerating the process of continuous improvement. The course includes extended practical workshops, allowing delegates to apply what they have learnt to a 'live problem' and develop their problem-solving skills in their own working environment. This comprehensive course outline provides a structured approach to developing problem-solving and root cause analysis skills, essential for driving operational excellence, quality improvement, and overall business performance within organizations. Participants will gain valuable tools and techniques to effectively address challenges, drive continuous improvement, and contribute to a culture of problem-solving and innovation.
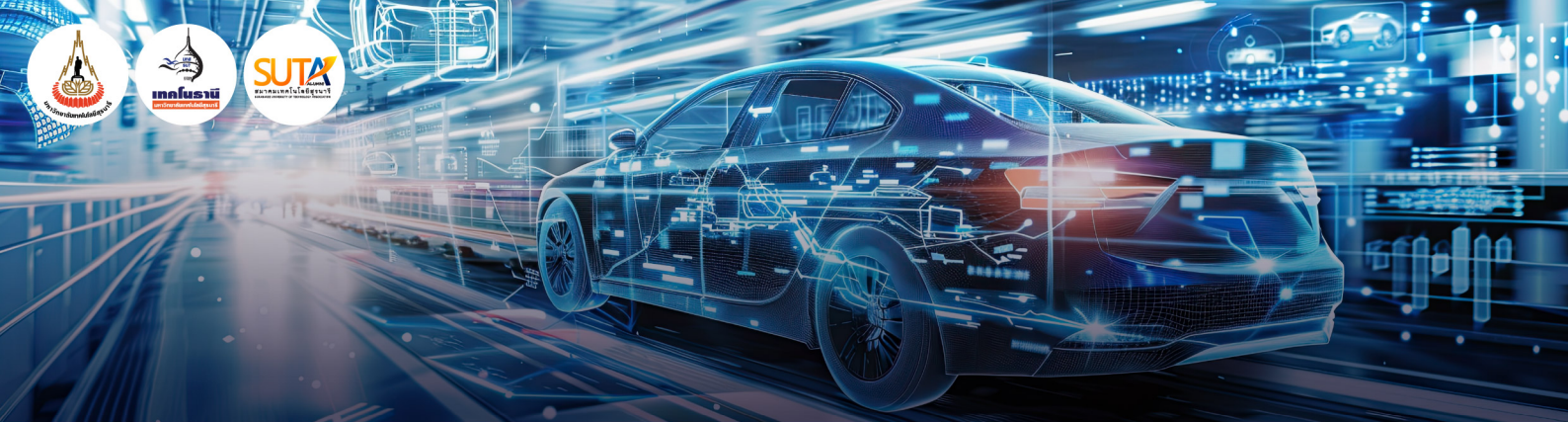
Who should attend?

- Managers, supervisors and specialists who want a structured method of identifying, solving and removing the causes of operational problems.
- Personnel interested in the techniques of improvement of operational efficiency and effectiveness.

What are the objectives?

Through the combination of interactive tutorials and workshops, our course will enable the delegates to:
- Lead or participate in problem solving workshops
- Use problem solving tools to investigate and identify the root cause of a concern, identify robust solutions to stop re-occurrence
- Improve the performance of problem solving teams by introducing a structured approach to problem solving and continuous improvement
- Evaluate available evidence leading to more cost effective solutions Practical workshops are designed to reinforce the discussions and topics. This style of delivery makes the course both memorable and enjoyable for participants, ensuring long-term learning.

8D Problem Solving in 8 Disciplines Based on VDA 11 (November 2018 Edition)
(Course Code: VDA11)

1 Day Duration
6 Hours/Day

Topics Covered?

1. Introduction to Problem Solving
- Importance of effective problem-solving skills in the workplace
- Overview of problem-solving methodologies
- Impact of unresolved problems on business performance

2. Understanding Root Cause Analysis
- Definition of root cause analysis
- Differentiating between symptoms and root causes
- Benefits of identifying and addressing root causes

3. Problem Identification and Definition
- Techniques for defining the problem statement
- Importance of accurately identifying and framing the problem
- Setting clear objectives for problem resolution

4. Problem Analysis Techniques
- Using Root Cause Analysis to identify the cause
  - 5W1H with Is/Is not analysis
  - 5 why's - 5 Whys technique to uncover root causes
  - Process Analysis, P-Diagrams
  - FMEA's, FTA
  - Ishikawa (fish bone) diagrams
  - Statistical techniques - Pareto Analysis for prioritizing problems based on impact

5. Root Cause Identification and Validation
- Brainstorming and idea generation for root cause identification
- Data analysis techniques to validate root causes
- Verifying root causes through testing and experimentation

6. Developing Solutions
- Generating creative solutions through brainstorming
- Evaluating and selecting the most viable solutions
- Creating action plans for implementing solutions

7. Implementing and Monitoring Solutions
- Developing implementation strategies and timelines
- Establishing key performance indicators (KPIs) to monitor progress
- Conducting follow-up and review to ensure effectiveness

8. Preventing Recurrence and Continuous Improvement
- Implementing preventive measures to avoid recurrence
- Implementing continuous improvement practices
- Establishing a culture of ongoing problem-solving and learning

9. Case Studies and Best Practices
- Real-world examples of successful problem-solving and root cause analysis
- Best practices for effective problem resolution
- Lessons learned from organizations that have mastered root cause analysis

10. Group Exercises and Simulation
- Interactive problem-solving exercises
- Simulated scenarios for practicing root cause analysis
- Peer feedback and learning through group discussions

11. Review and Assessment
- Recap of key concepts and tools covered in the course
- Evaluation of participant understanding through quizzes or assessments
- Feedback and recommendations for further development

12. Conclusion and Certification
- Summary of course highlights and key takeaways
- Certificate of Completion for participants