Why TRIZ (Theory Of Inventive Problem Solving)?

Quality improvement is critical for an organisation’s growth, profitability, customer satisfaction and competitiveness. Product and processes are getting more complex and more advance problem solving tools is needed for breakthrough improvement. This training on problem solving focuses on TRIZ – the Russian acronym for the Theory of Inventive Problem Solving.

Even if the actual root cause of the problem has been determined, very few tools give you guidelines for developing corrective solutions. In contrast, TRIZ offers a structured methodology with a truly organised and more robust approach to the new generation of non-traditional, innovative and breakthrough solutions. TRIZ is a method that enhances the solution development stage.

TRIZ makes your problem analysis and innovative problem solving more effective by offering time-efficient and low-cost quality improvement solutions. TRIZ can be used for quality problem formulation, determining ideal vision of solutions, selecting directions for innovation, developing solution concepts, and evaluating results.

LEARNING OUTCOMES
- Understand how to improve your product’s value, performance, and cost
- Enhance your quality improvement toolbox with a method that provides you with a systematic approach to quality problem solving and to the development of innovative solutions.
- Apply the skills you need to formulate improvement solutions based on the criteria of contradictions and ideal final results.
- Improve your creativity and problem solving skills
- Obtain confidence in the application of TRIZ
- Improve the use of resources as the means of achieving efficient improvement solutions (minimising costs, time, etc.)
PROGRAMME OUTLINE

Day 1
TRIZ and Quality Problem Solving
• Common features of good solution
• Concepts in reaching good solution
• New Approach to Problem Solving

Level of Problem Solving
• Different levels of inventions & examples
• Overcoming physiological inertia

Moving From Problem To Ideal Final Result
• Concept of contradiction
• Resources
• Ideal Final Result
• Innovative Principles

Day 2
TRIZ Problem Solving Process
• Defining the Problem (Functional Modeling, Ideality)
• Contradiction Analysis (Physical & Technical Contradiction)
• Solution generation
• Concept Evaluation

Principles of Innovation
• Separation Principles
• Introduction & review of 40 principles

Tools For System Development
• Five Situations of System Development
• Patterns of Evolution

Integration TRIZ Into Problem Solving
• Motivation & development
• Adaption of TRIZ knowledge in thinking process
• Possible Mistakes

TRIZ Case Study

LEARNING FACILITATOR

Main Facilitator
Mahadev Prasad
BSc. Electrical Engineering (University Technology Malaysia), Six Sigma Master Black Belt (ASQ), TRIZ Masters (Level # 3) (IID & MATRIZ)

ADMINISTRATIVE DETAILS

FEES:
Member: RM1,470
Non-Member: RM1,770
(Inclusive of the 6% GST)

DURATION: 2 days    TIME: 9:00 am - 5:30 pm

DATES:
19-20 October 2016

For registration and further information,
Please connect with Public Programme Team.
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