

CPD TRAINING

ROOT CAUSE ANALYSIS: TOOLS AND TECHNIQUES



FOR MORE
INFORMATION VISIT
www.engineersireland.ie
OR CONTACT US ON
01 6651305 OR
cpdtraining@engineersireland.ie

Root Cause Analysis: Tools and Techniques

Methodologies for problem solving and improved decision making

Course Overview

Root cause analysis (RCA) is a methodology used to solve problems at their root, rather than just fixing the obvious. RCA is often equated to a kaizen improvement process, and rightly so, as it often digs into possible organizational change, rather than localized optimizations. The benefits of RCA are that it uncovers relationships between causes and symptoms of problems, works to solve issues at the root itself and provides tangible evidence of cause and effect and solutions.

RCA is a process that introduces organizational improvements in many situations, lasting improvements and most importantly, a learning process to follow for thorough understandings of relationships, causes and effect and solutions. By practicing RCA, you eliminate taking action on possible causes, and delay a response to the last responsible moment when the actual root cause of an effect is identified. Organisations of all sizes are increasingly choosing to invest in root cause analysis training so that they can perform better for stakeholders, improve their reputation and continue to expand.

Trainer's Learning Approach

The training is designed to be practical and the attendees will complete a number of instructor led exercises in the application of some RCA tools and techniques. This approach is taken with the intention of ensuring attendees understand the application of the root cause analysis tools and techniques in their environment.

Course programme

- Introduction to Root Cause Analysis
- Differentiate between Direct and Contributing Causes
- Corrective / Preventative Actions
- Method to construct a Problem Definition
- Line of Sight
- Improvement Cycles
- PDCA
- 5 Whys
- Fishbone Diagram
- DMAIC
- Data Display and Sharing

Trainer Profile

Declan Cunningham is one of Ireland's top tutors on the subject of Project Management for engineers. He brings more than 25 years national and international experience as a senior-level Project Manager. He completed a Masters Degree in Project Management in the University of Limerick (UL) and now develops and delivers numerous project management training projects with the Centre for Project Management in UL.