

# Introduction to Root Cause Analysis

1 Day Course

RGC-RCA01



Rylson Group

Course Outline

Introduction to Root Cause Analysis	
<b>Objective</b>	Help solve maintenance problems and generate cost effective maintenance solutions through the application of Root Cause Analysis tools.
<b>Benefits</b>	<ul style="list-style-type: none"><li>▪ Provide skills to analyse maintenance problems and generate cost effective solutions.</li><li>▪ Provide better understanding of problem analysis and applying solutions.</li></ul>
<b>Who Should Attend?</b>	Supervisors, Maintenance Planners, Team Leaders and Maintenance Trades Personnel who have any involvement in problem solving.
<b>Course Outline</b>	Introduction to theoretical and practical aspects of Root Cause Analysis by innovative cause and effect analysis, generating and identifying cost effective solutions, validating proposed solutions, identifying weaknesses in equipment and recognizing common thinking traps.

# Introduction to Root Cause Analysis

1 Day Course

RGC-RCA01



Rylson Group

Course Outline

## 1.0 WELCOME AND INTRODUCTION

- Welcome and introductions
- Icebreaker
- Course outline
- Course objective
- Brief history of Maintenance Techniques

## 2.0 WHAT IS ROOT CAUSE ANALYSIS

- Definition
- Apparent Causes, Root Causes and Symptoms
- Benefits of Root Cause Analysis

## 3.0 SELECTING SUBJECTS AND TECHNIQUES FOR ROOT CAUSE ANALYSIS

- Reactive or Proactive
- Pareto Analysis
- Failure Mode Effect and Criticality Analysis
- Selecting the appropriate technique

## 4.0 ROOT CAUSE ANALYSIS TECHNIQUES

- Change Analysis
- Barrier Analysis
- Events and Causal Factors Analysis
- Tree Diagrams

# Introduction to Root Cause Analysis

1 Day Course

RGC-RCA01



Rylson Group

Course Outline

## 5.0 DEVELOPING AND EVALUATING SOLUTIONS

The multiple solutions dilemma – selecting the right option

Evaluating methods

## 6.0 MAINTENANCE PROGRAM DEVELOPMENT

Functions

Failures

Root Cause of Failure