

Organisations gain a competitive advantage when Lean Six-Sigma is implemented correctly. Lean Six-Sigma has been designed to encourage and reward proactive problem prevention as opposed to reactive problem solving.

Six-Sigma is a business improvement and management methodology, originally developed by Motorola. The methodology was devised to reduce process variation in manufacturing systems, where defects were reduced to near zero. Since then, it has subsequently been extended, in conjunction with Lean, and can be adapted to all types of processes.

## Program Candidates

Are you aiming to optimise your business? Are you ready to take your professional career to the next level? Lean Six-Sigma Green Belts are recognised globally as high-performing team members that are well sought after by organisations. Research has shown that Green Belts typically save companies \$50,000 per project.

### Why Vative?

- ✓ 120+ years of combined, Six-Sigma Black Belt industry experience
- ✓ Vative has delivered Lean Six-Sigma workshops to 850+ employees from 120+ organisations
- ✓ Training and certification delivered to *Lean Six-Sigma Society of Professionals* (LSSSP) standard

### Course Overview

The Green Belt Program is designed for leaders of change from any functional area of the organisation. Participants will develop an understanding of Lean Six-Sigma principles and their implementation. Green Belts will develop the skills to serve as high-performing team members and/or leaders on business improvement projects.

"I have no hesitation in recommending **Vative** as a provider of **Lean Six-Sigma training**. We would rank the capability of the material and delivery by the facilitator as the best externally sourced training we have run in RailCorp".

**Phil McWhirter**, General Manager Continuous Improvement, RailCorp

### Program Length

3 consecutive days.

### Green Belt Certification

To receive certification (optional), Green Belt candidates must complete the training, pass an exam, and demonstrate results on one improvement project.

**Green Belts** learn:

- ✓ DMAIC and other methodologies for addressing business improvement projects and initiatives
- ✓ The importance of value, and the difference between value-add and non value add tasks
- ✓ Process and idea mapping
- ✓ Statistical tools and techniques to make fact-based decisions
- ✓ Introduction to Minitab software
- ✓ Project leadership skills
- ✓ All Lean and Six-Sigma operational excellence tools

## DAY 1

### Define Phase

#### 1.0 Welcome to Define

- 1.1 Understanding Six-Sigma
- 1.2 Six-Sigma fundamentals
- 1.3 Selecting projects
- 1.4 Wrap up and action items
- 1.5 Define Xpult simulation

### Measure Phase

#### 2.0 Welcome to Measure

- 2.1 Process discovery
- 2.2 Six-Sigma Statistics

## DAY 2

2.3 Measurement system analysis

2.4 Wrap up and action items

2.5 Measure Xpult simulation

### Analyse Phase

#### 3.0 Welcome to Analyse

- 3.1 Process capability
- 3.2 Introduction to hypothesis testing
- 3.3 Wrap up and action items
- 3.4 Analyse Xpult simulation

### Improve Phase

#### 4.0 Welcome to Improve

- 4.1 Lean tools

## DAY 3

4.2 Implementing change

4.3 Wrap up and action items

4.4 Improve Xpult simulation comp.

### Control Phase

#### 5.0 Welcome to Control

- 5.1 Lean controls
- 5.2 Defect controls
- 5.3 Statistical Process Control
- 5.4 Six-Sigma control plans
- 5.5 Wrap up and action items
- 5.6 Control Xpult simulation discussion
- 5.7 Further training/support and certification