

Lean Tools and Techniques

Overview

The course is designed principally to provide engineers, support chain personnel, project and business development staff and their respective managers with an appreciation of LEAN Tools and Techniques. This course is presented as the second of a suite of LEAN courses that can be taken either individually or as a continuous three day package.

Target Audience

The course provides personnel who are in the process of undertaking or are about to undertake a programme of change within their workplace an appreciation of common LEAN Tools and Techniques. Their use and practical applications are investigated and discussed. A combination of advanced presentation techniques and informal delegate instructor interaction are used to facilitate this lecture and workshop based event.

Objectives and Utility

The course centres on the 'Plug Exercise' as a hands-on practical workshop with blended learning throughout. The morning presentations cover tactical Tools and Techniques through 3 sessions of the plug exercise with interpretation of the results using various tools and techniques including 6S, spaghetti diagrams, 5 whys, fishbone diagrams to draw out learning between each attempt at the plug exercise. To contrast the tactical based style of the morning session the afternoon focuses on management Tools and Techniques including SWOT and PESTLE stakeholder analysis. The day concludes with an introduction to the application of Lean/CI.

The Training Process

At each stage the relevant theory is presented and discussed, this is then consolidated through a series of workshop exercises. This approach ensures that the delegate has a sound appreciation of the concepts and the issues associated with LEAN Tools and Techniques

Because the approach is logical and structured it aids recall and understanding and as the concepts are related to the theory, the delegates develop the ability to make a critical appraisal of the various Tools and Techniques.

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Course Programme

Day 01 - AM

911 - P Tactical Tools and Techniques

Tactical Tools & Techniques are used to report on practical sessions of the manufacturing exercise. Blend learning of Tools & Techniques including 6S, spaghetti diagrams, 5 whys, fishbones are used to draw out learning between each attempt of the exercise.

Day 01 - PM

912 - P Management Tools and Techniques

Management Tools and Techniques such as SWOT/PESTLE stakeholder analysis. The day concludes with an Introduction to the application of Lean and Continuous Improvement