A 2-day Engineering the Lifecycle Course

Course Description

Lifecycle Management isn't one size fits all. Engineering projects differ in scope and depth making it necessary to tailor or engineer the lifecycle to suit. Tailoring involves making informed decisions about the lifecycle, processes, tools and reviews. This will determine, for a particular project or programme, the necessary approach, measures of maturity and checks to manage risk and how to capture and document this in an Engineering or Systems Engineering Management Plan.

This course aims to educate and train participants in how to tailor the lifecycle and determine appropriate and relevant maturity measures with a range of practical project examples such as build to print, internal investment and service and capability based solutions.

Who Should Attend?

This course is for people who have some experience already of the application of lifecycle management and will be involved in the tailoring and maturity management of a project. It is highly desirable that they have attended the following courses prior to this one:

- 3-day Lifecycle Management Course
- 5-day Systems Engineering Fundamentals Course

It is also expected that they are familiar with their organizations lifecycle and review processes.

Benefits to the Individual and Business

During an intensive two days of teaching and practical 'hands on' exercises, participants will be challenged to develop the understanding and skills needed to create an Engineering Management Plan.

At the end of the course participants will:

- have an understanding of the concepts and principles of Lifecycle Tailoring and Maturity Management
- Understand and apply the processes and tools necessary to tailor the lifecycle of a project successfully.
- Understand and apply the principles of Maturity Management
- be able to contribute to the creation of an Engineering or Systems Engineering Management Plan
- Know what "good" looks like for an Engineering or Systems Engineering Management Plan.

Learning Approach

The learning approach is based on the Kolb learning cycle with a significant proportion of the course set aside for exercises to reinforce the learning. Indeed, the course employs a number of small group exercises involving a case study to provide a practical focus for the course which enables the delegates to practise the methodology and tools.

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Course Delivery

The course has been designed for minimum numbers of 8 and maximum of 16 and can be delivered on site or at a suitable venue.

Course Structure

Day 1	Day 2
Introduction and Delegate expectations	**Review of Day 1**
Review of the Concepts and Principles of Lifecycle Management (LCM) The generic systems lifecycle and the generic engineering lifecycle Plans and their relationships • project, engineering, systems engineering, manufacturing The need for tailoring, purpose and process Maturity and tailoring Types of maturity and maturity measures	Product maturity How to tailor the lifecycle • process tailoring • tool tailoring • review tailoring Writing the Engineering or Systems Engineering plan Monitoring and changing the plan Reviewing the plan

Course Costs

The cost of delivering the 2-day course, excluding delivery tutor accommodation and expenses, but including all courseware is £3,000. VAT will apply at the prevailing rate.

The course can be tailored to suit individual customer's operations.

More Information and Contact Details

For more information about the 2-day Engineering the Lifecycle Course or any of our other Systems Engineering courses please contact **Dr Stuart Burge** on +44 (0) 7803 131614 or sburge@burgehugheswalsh.co.uk.