

CS-06

Engineering Leadership

Advanced Planning Skills

Leverage business advantage through effective strategic planning

Why this course?

Based on MSc level materials, this workshop is designed to follow on from CS05 with more experienced planners and elevate them into the world of professional planning. It looks at the key interfaces with Engineering and Materials and how to build these relationships. It builds competence in managing planning department and a plan effectively.

Key learning points

- ❖ Critical path analysis and managing throughput effectively
- ❖ Effective production control and reporting
- ❖ Introduction to supply chain management
- ❖ JIT and SIC inventory controls
- ❖ Introduction to RCM and engineering
- ❖ Advanced defect management and forecasting
- ❖ Use of Maintenance Management Software
- ❖ Developing the operational strategy
- ❖ Forecasting the next [2 years] load and capacity
- ❖ Dependent and interdependent demand and its impact
- ❖ Lean operations and effective scheduling

Who should attend

- ❖ Planning Managers
- ❖ Advanced planners
- ❖ Production leaders
- ❖ Advanced schedulers

Duration

2 days, provided at your location



Subject Expertise

Frank Horner leads this field and delivers the training course. He has over 25 years' experience working in maintenance engineering in planning, production and quality HSE. Frank managed a 190 strong planning department for British Airways for many years.

Bringing this experience into the room enables a facilitated dialogue with a like-minded professional, allowing delegates to explore the subject area and gain true and real practical advantage from the workshop.

"Brilliant course and extremely valuable. I can't wait to apply what I've learnt when I get back on shift" - Shift Planner, Edinburgh

For more information, call us on +44 (0) 7841 029276

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Modular breakdown

Strategic Planning – This module introduces the delegate to the world of operations strategy and the role that planning need to play in developing the long-term operational response. It looks at how forecasting is accomplished and matching load and capacity at the 2-year window. It leans heavily on MSc text and materials, and as with all the modules there is recommended pre and post reading.

Introduction to supply management – This module is not designed to teach materials managers their job, it provides the planner with insight to how inventory and materials are managed so that they have a better understanding of how and where to include the materials teams in the planning cycle. It looks at JIT and SIC approaches to managing stock; as well as fast- and slow-moving stock relating to non-routine recovery work.

Advanced defect management – The single biggest challenge in any maintenance plan is the variability brought by defects. This module looks at intelligent methods to forecast and pre manage defects such that the impact of the variability doesn't damage plan stability. It considers the use of defect reviews and the use of the MMS to consider and build defect databases. It extends to operations and how perishable information is handled.



Optimising maintenance – In two days we can't teach people how to run an optimisation plan, but this section will introduce the topic and highlight the challenge. It looks at AVIS and RCM and how these can be used and the changes that are needed to introduce them effectively.

Effective scheduling – The bit at the depot is often overlooked, yet scheduling can have a marked impact on the overall performance of the maintenance and the quality of output. This module considers this and how to select and develop the calibre of scheduler needed.

Lean operations – Finally, with this module we consider in the main the environment and how without this being proactive space, proactive maintenance is impossible. It discusses the difference between push and pull planning and highlights the need for MRP techniques and where it and Lean work harmoniously. It looks into task engineering and the role of super kitting for tasks.

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