

2 day workshop

In Collaboration with Production-Scheduling.Com

## SUPPLY CHAIN MANAGEMENT WITH EXCEL

Cape Town – 17 & 18 March 2010 – CAPESYNERGY Century City

### Manufacturing – Production, Planning & Scheduling

“I thought I knew a lot about Excel, but now I realise I was only using 10% of its capacity. I didn't know just how powerful a tool it is”

To survive in today's environment, world class manufacturers need to be lean and very responsive. You can re-schedule within a few seconds in response to changes in customer demand with a planning and scheduling system that tells you what to make and what to buy. Make reliable and achievable delivery promises to your customers and keep your delivery performance high whilst keeping your inventory and work-in-progress at a minimum. Anticipate supply chain problems before they happen and avoid expensive overtime and emergency airfreight bills.

Previously this was possible only by implementing a complex ERP package, costing millions and taking years to implement. But now more and more companies throughout the world are achieving world class supply chain management by building their own systems in Excel. This workshop is very focused and skills based. It is aimed at people who already understand planning and scheduling and who already have some Excel skills and the workshop helps them put the two together. It does not teach planning and scheduling and it is **NOT A BEGINNERS COURSE IN EXCEL.**

#### Target Audience

Excel literate people from manufacturing and distribution companies who already understand the principles of Supply Chain Management but who want to automate their planning and scheduling processes without the need for programming skills.

#### Outcome

At the conclusion of the workshop each delegate will have the opportunity to reinforce what they have learned in the workshop with the e-learning modules and then adapt the model system for their own manufacturing company. By selecting only the functionality required, and by integrating Excel with an existing external data source, implementation and training times can be dramatically less than with an ERP package.

#### Registration Fees

##### Course Fees - R4,500 ex VAT

Fees include lunches, refreshments, R1,400 worth of free software on a CD with a model planning and scheduling system together with a set of video based e-learning modules that teach the “Fast Excel Development Methodology” used to construct the model system

#### To Register

Please contact David at [davidg@capesynergy.com](mailto:davidg@capesynergy.com) or Cell **0798853726**

#### About the Presenter

Tony Rice develops planning, scheduling and supply chain management systems in Microsoft Excel and teaches others how to build their own systems using APICS and TOC principles. Nearly 100 000 companies have been exposed to his world famous Finite Scheduling Tutorial. After graduating with a BA honours Business Degree from Manchester UK, Tony worked as a management accountant for the electronics companies Pye/Philips and Sinclair in the UK. He joined Deloitte and Touche Consulting in 1981 and later moved to KPMG consulting as a Director. Since 1990 Tony has operated as an independent consultant specialising in production scheduling and supply chain integration. Tony has over 20 years experience designing and building supply chain management systems for hundreds of small to medium sized companies in addition to which add Motorola, Toyota, Unilever, 3M, Shell, Cadbury and Pilkington Glass to add to his accolades.

## DAY1

## DAY2

### Objectives of the Workshop

#### Presentation of Model System (P-S Cycles Inc.)

Discussion on supply chain principles illustrated by the Model System

- Close Integration
- Fast response to change
- Theory of Constraints
- Demand pull
- Vendor Managed Inventory

#### Fast Excel Development Methodology (FEDEM)

- Design Principles
- Structure and discipline
- Custom vs. Package
- Data capture and storage outside Excel (in ERP)
- VBA free – native Excel functionality
- Change compliance – prototyping
- Documentation and naming conventions
- Separation of input-process-report
- Normalised data tables

#### Overview of Excel Techniques eLearning Modules

- Dynamic named ranges
- Recording a paste down macro
- Joining tables
- Pivot Tables
- Working with dates
- Importing text files
- Exporting text files
- Linking workbooks
- Matrix to normalised table
- Multiple macros
- Exploding Tables
- Stacking Tables
- Advanced filter
- Microsoft Query
- Pivot Charts
- Making a menu

**You will require your own laptop to use during the workshop.**

Analysis of the Model System to illustrate the application of the Fast Excel Development Methodology to planning and scheduling:

- Sales forecasts
- Initial replenishment of distribution depots
- Projected

replenishment

- Sales orders
- Bill of Material
- Material Requirement

Planning (MRP1)

- Routings
- Set-up reduction
- Rough-cut capacity
- planning
- Finite scheduling
- Purchasing

Conclusion and wrap-up

### DAY 1 & 2 Programme Schedule

08:30	Registration & Coffee
09:00	Workshop Commences
10:00 – 10:45	1st Tea Break
13:00 – 14:00	Lunch
15:30 – 15:45	2nd Tea Break
17:00	Workshop Concludes

Each delegate will receive a CD with a Model Planning and Scheduling system developed in excel and a comprehensive set of video based eLearning modules that teach the “Fast Excel Development methodology” used to construct the model system.

Hands-on practice of 2 modules  
Guidance for self study of  
e-learning Modules