

**SIMCAP®** is a process orientated application in that it follows a simple capacity management methodology. The steps and screens are designed to bring you through this thought process. This process has been used and verified across our client partners. The screens are easy to use and steer the user through all of the potential options and scenarios available for balancing supply and demand.

#### Visibility

**SIMCAP®** provides total visibility across the product chain (all manufacturing operations). Where a product has multiple steps in the manufacturing process **SIMCAP®** allows the user to manage the bottleneck workcentre while monitoring the effect of changes on the upstream and downstream workcentres in the manufacturing process.

This ensures that the user is aware if they are simply moving the bottleneck and not eliminating it (shifting the bottleneck to another workcentre).



#### Integration

**SIMCAP®** works in conjunction with the main ERP system on site. Through its simple Automatic Download Utility it can take the total Master Production Schedule (MPS) off line to scenario plan without affecting material procurement or shop floor control until the final decisions on changes have been analysed and made.

Real time simulation without impacting the MPS

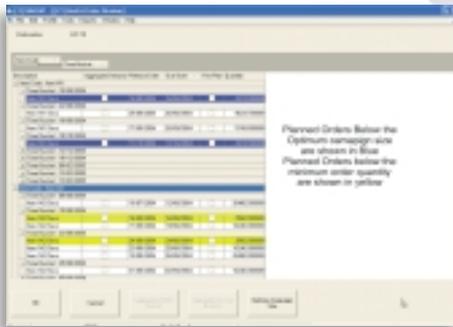
**SIMCAP®** allows fast and effective variation of the key variables that impact on the MPS from a capacity management viewpoint (shift, hours, people, machine speeds, changeovers and cleandowns, campaign sizes) it visually allows you to see the impact of the changes you are considering making.

#### Automatic Auditing and Tracking

While you are identifying the most suitable means of balancing supply and demand **SIMCAP®** automatically tracks the changes you have made and provides a series of reports that allow you to bring the most appropriate profile to management for review. This makes the decision making process fast and effective and allows the organisation to respond quickly to market changes.

#### Total Management of Capacity

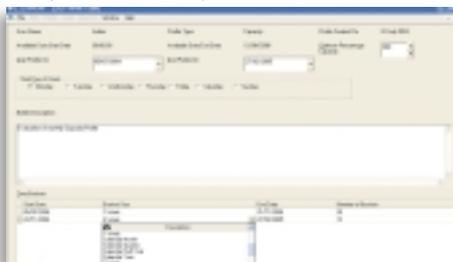
**SIMCAP®** allows total management of capacity. Most organisations have various activities that consume capacity of production workcentres but these activities are often not in the site ERP system. With **SIMCAP®** you can add these activities that consume capacity into **SIMCAP®** directly and manage them locally.



**SIMCAP®** will then merge these activities with the ERP generated MPS to provide a true view of the consumption of capacity. Such items could be preventative maintenance, testing and inspection, team based activities that close workcentres, rework etc)

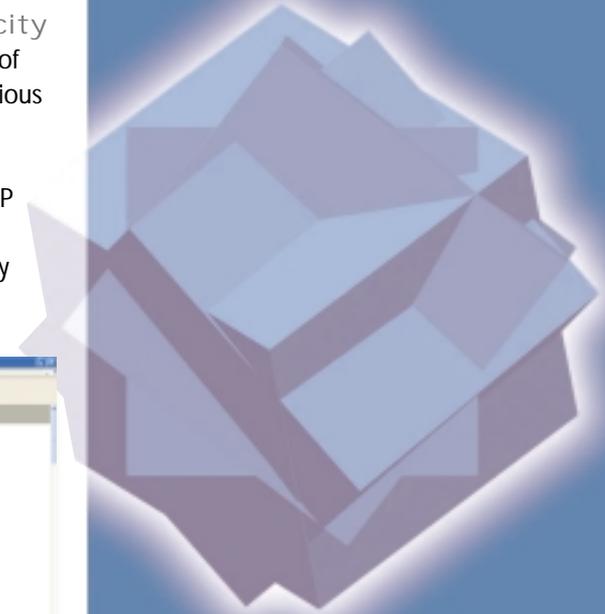
#### Variation in the MPS and Forecasts

**SIMCAP®** has a range of features that allow you scenario plan in the medium to long term. These features allow management to view the impact of forecast variations, yield losses and continuous improvement programs on the capacity model for the business going forward. This allows management to decide and prioritise investment programs and projects.



# SIMCAP®

A process orientated software application that follows simple capacity management methodology

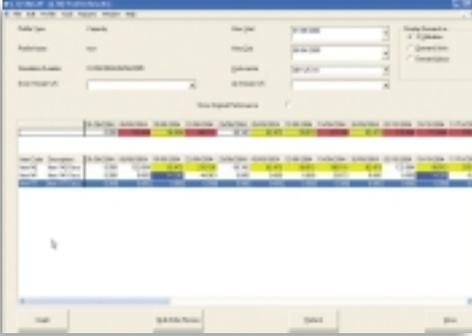


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Profile Solutions Ltd

### Highly Visible Screens

All **SIMCAP**® screens provide unique colour coding of the information to make it readily visible to the user. Potential overloads, actual overloads, incorrect campaign sizes, orders at uneconomic quantities are all colour coded on screen to make it easy to view.



### Collaborative Security

**SIMCAP**® is a client server application that allows deployment and visibility of profiles to all production and planning personnel. This enhances the decision making process and provides visibility of one set of scenarios and numbers for all operations staff to work off. Profiles are secured to the user and visible to all with a user logon.

### Pharma USP

#### **Laboratory Capacity modelling:**

For pharma and biopharma companies **SIMCAP**® allows organisations to evaluate the impact of the MPS on the laboratories. A large volume of analyst time is taken up with activities that are not associated with the testing and release of products. **SIMCAP**® provides the lab manager with a tool to impose these activities on the MPS and review the total testing requirements across incoming materials, production, re-testing, stability, validation and utilities testing.

As **SIMCAP**® is flexible in the creation of lab workcentres for both test equipment and analyst teams it provides an effective tool for the lab manager to project out holiday and training cover, overtime needs and potential changes to shift patterns.



# **SIMCAP**®

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