OPUS10™ VERSION 7

The new version of OPUS10 offers several improvements to the user interface and modeling capabilities. The enhancements described in this document make OPUS10 even more flexible and easy to use for logistics support and spares optimization.

KEY ENHANCEMENTS AT A GLANCE.

- LATERAL SUPPORT & PM (PREV. MAINTENANCE)
- RISK-OF-SHORTAGE BASED OPTIMIZATION
- IMPROVED LORA XT
- EXPLORER VIEW
- BATCHED ITEM REPLACEMENT IN PM
- IMPROVED RESULT WINDOW
- SORTING IN EDITOR AND REPORTS
- IMPROVED LOG WINDOW

OPUS10 IN BRIEF

OPUS10 IS THE WORLD LEADING TOOL FOR LOGISTIC SUPPORT ANALYSIS AND SPARE PARTS OPTIMIZATION. IT'S FLEXIBLE MODEL AND FAST SYSTEMBASED OPTIMIZATIONS MAKE OPUS10 AN INVALUABLE TOOL FOR DESIGN AND DIMENSIONING OF LOGISTIC SUPPORT SOLUTIONS AS WELL AS ADAPTATIONS AND IMPROVEMENTS FOR EXISTING SOLUTIONS.

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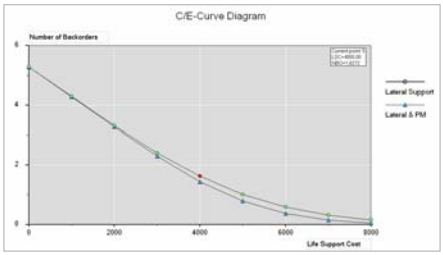
OPUS10 VERSION 7 – WITH THE EXPLORER VIEW (LEFT) AND NEW RESULT WINDOW

LATERAL SUPPORT & PREVENTIVE MAINTENANCE

In version 7 it is possible to model preventive maintenance (PM) together with lateral support. The regularity in demand from PM item replacements is then accounted for. Result wise, this means an improved Measure of Effectiveness (MoE) compared to a model where all demand is stochastic.



RESULT DIFFERENCE WITH PM

The total pipe line distribution is based on a mix of a random component from corrective maintenance and a regular component (Bernoulli distribution) coming from PM.

ROS BASED OPTIMIZATION

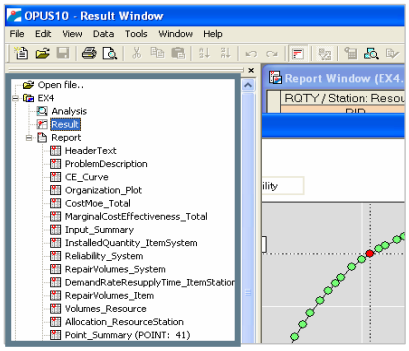
The default optimization target of OPUS10 has always been NBO (Number of backorders). In the new version, optimization based on ROS (Risk of shortage) is offered as an alternative

IMPROVED LORA XT

LORA XT (Location of Repair Analysis) can now be combined with any *Problem type* (initial, reallocation, replenishment etc). Another improvement is the ability to get LORA results per resource and per resource and station.

EXPLORER VIEW

Navigation has been significantly improved and simplified with the new explorer view. The tree structure



EXPLORER VIEW

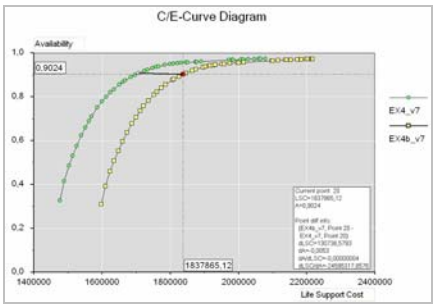
shows all open windows and objects in OPUS10. This gives the user an excellent overview of open files and windows and an intuitive way to navigate between them.

BATCHED ITEM REPLACEMENT IN PM

The modelling of batched (multiple) item replacements in preventive maintenance has been improved. The batch size is now explicitly handled in the MoE (Measure of Effectiveness) calculation.

IMPROVED RESULT WINDOW

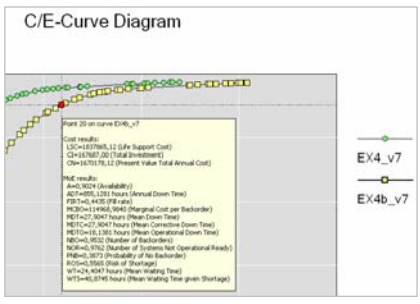
The result window of OPUS10 version 7 has several new features that further improve the capacity to analyse and compare support solutions.



NEW RESULT WINDOW

The new functionality includes:

- Point cross with value display box at each axis
- The difference between two selected points can be displayed
- Zoom by using click-and-drag directly in the diagram
- Coloured markers



POINT INFORMATION BOX

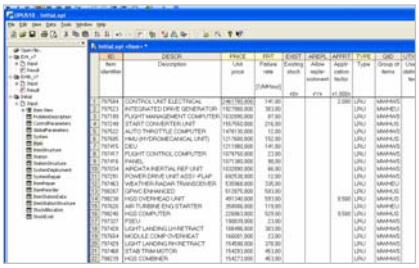
- Point information box appear when moving the cursor over a point, displaying multiple MoE and cost values

SELECTING MOE

- Change of MoE and Cost measure in pop-up menus directly in diagram

SORTING IN EDITOR AND REPORTS

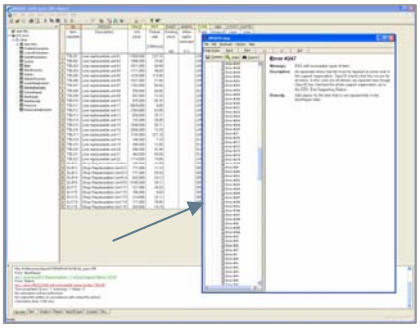
Records in the input data tables and report tables can now be sorted based on any column, by double clicking the column header.



ITEMS SORTED BY PRICE

IMPROVED LOG WINDOW

The log has a new default position, always visible at the bottom of the OPUS10 window. This reduces the risk of missing important warnings and notes. The log information has been divided into to several tabs, which e g means that the calculation log remains accessible after a report generation has produced another log.



NEW LOG WINDOW & HELP ACCESS

Furthermore, in the new version, relevant help for each error and warning message can be accessed with a click directly from the log window.

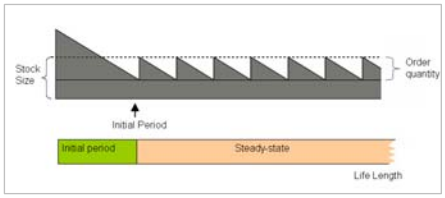
OTHER ENHANCEMENTS

A few other enhancements that should be mentioned are:

INITIAL STOCK OF DISCARDABLE ITEMS

A new stock parameter (Additional Initial Stock Size) indicates if an additional initial purchase of discardable is recommended. Such recommendation can be caused by two modelling conditions:

- Reorder price is higher than initial price
- An initial period should be covered without reorders



INITIAL ORDER QUANTITY

Furthermore, the initial period calculation has been modified so that it will only affect the initial order quantity, and not the repeat orders (see diagram above).

PARTIAL REPLENISHMENT

When calculating optimal replenishment to an existing stock solution, it is now possible to freeze the stock level for selected items as desired. For each stock position, a parameter setting determines if replenishment is allowed or not.

ITEM AND ANALYSIS VIEWS

New commands are available in the item and analysis views for expanding all nodes in the product structure tree. Another improvement is that redundancies are now displayed in both views.

REPORT SETTINGS

Changes to report layout and presentation are automatically stored in the report settings and will remain if a new report is generated.

Table Setup settings have been extended to allow changes of column header text, column width and numeric precision.