by Systecon

opus suite

2018

New Release of Opus Suite – OPUS10, SIMLOX, and CATLOC

What's New in Opus Suite 2018

The new version of Opus Suite comes with several enhancements and innovative new capabilities. Continuous development with annual releases is central to Systecon's commitment to provide Opus Suite users with state-of-the-art optimization and decision support capabilities, versatile scenario modelling and an intuitive user interface. The following are some of the key highlights in the new version, which is released in April 2018.

Spares Optimization with Multiple Performance Requirements

Opus Suite is unrivaled when it comes to optimizing solutions for overall cost effectiveness, across all included systems and locations. A powerful complementary capability is now introduced to handle situations and scenarios when it is necessary to prioritize or consider specific requirements for certain locations or systems. For example, some units or locations may require 95% availability, while 80% is sufficient at others. With this new site/system dependent optimization capability in OPUS10, it is possible to successfully determine spare parts assortments that satisfy such multiple performance requirements at the lowest possible cost.

Detailed Analyses of the Causes of System Downtime

An obvious and continuous task when working to make sure that technical systems are available when needed is to identify and analyze reasons for downtime and find cost effective ways to remove or reduce them. This is a typical application area for Opus Suite, and the capabilities are further strengthened in the new version of SIMLOX. New simulation results provide the ability to predict and analyze what events (failures, preventive maintenance, etc.) and what contributors (failure modes, components, subsystems, etc.) are the main causes of interrupted operations and system downtime.

Enhancements at a Glance

- ✔ A new solution finder in OPUS10 allows for multiple effectiveness requirements that can be defined per location, unit and system type. Spares assortments are optimized to satisfy these requirements at lowest possible cost.

- ✔ New simulation results in SIMLOX makes it possible to predict and analyze in detail the reasons and contributors behind system downtime.

- ✔ Item Preventive Maintenance in SIMLOX has been extended to account for time in stock, and model aspects like scheduled inspections, maintenance and ageing while in stock.

- ✔ Improved color control in the CATLOC user interface makes cost analysis more intuitive.

- ✔ Assumptions regarding utilization in OPUS10 can be adjusted, which is relevant when considering solutions with relatively low availability.

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Simulation of Preventive Maintenance and Ageing of Items in Stock
Time intervals for preventive maintenance (PM) no longer must be based solely on the time an item is installed in a system. With the enhanced PM-modelling in SIMLOX, it is possible to also account for time an item spends in stock. Aspects like ageing and scheduled inspections and maintenance to items in stock can now be modelled and simulated. A much requested feature that further improves flexibility and applicability in many contexts.

Improved Usability and Flexibility
In the graphical cost analysis view in CATLOC, modelers can now define what color to use for what cost element, making it easier to orientate and identify costs in charts and cost breakdowns. In OPUS10, a new ability has been introduced to manage assumptions regarding utilization that influence how availability is calculated. This is especially relevant when looking for optimal solutions with relatively low availability.

Continuous Customer Driven Development

The Opus Suite is continuously improved and extended based on user feedback and evolving best practices and technology. Customers with upgrade and support agreements get new versions at no additional cost.

New Functionality in OPUS10 v2018

✔ The new "Solution Finder" optimization mode in OPUS10 makes it possible to determine the most cost effective spare parts assortment given multiple effectiveness requirements, which are defined per location and system type. This powerful complement to existing optimization modes is highly useful in scenarios where e.g. performance requirements differ per location or system, or in "unbalanced" support organizations with different resupply lead times for different locations.

✔ It is now possible to choose between different utilization assumptions, which affects the calculation of availability. This is primarily relevant when looking at solutions with relatively low availability levels.

New Functionality in SIMLOX v2018

✔ New simulation results facilitates detailed analysis of the reasons behind system downtime. With this feature, it is easy to identify the main causes, e.g. failure-prone items, frequently occurring failure modes and time-consuming maintenance tasks, that contribute to system down time.

✔ Modelling of item preventive maintenance (PM) has been extended so that it is possible to account for time and events for items in stock. For example, scheduled inspections, PM-tasks and ageing while in stock can now be included.

New Functionality in CATLOC v2018

✔ Users are now able to control graph coloring by specifying which color to use for a specific cost element. This makes it easier to recognize cost element and swiftly interpret charts and cost breakdown in CATLOC's graphical analysis view.

More complete descriptions of features in the new release are offered in the document Opus Suite Upgrade Information, which is enclosed in the delivery but may also be provided upon request. Contact Systecon or one of our representatives for a copy.

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