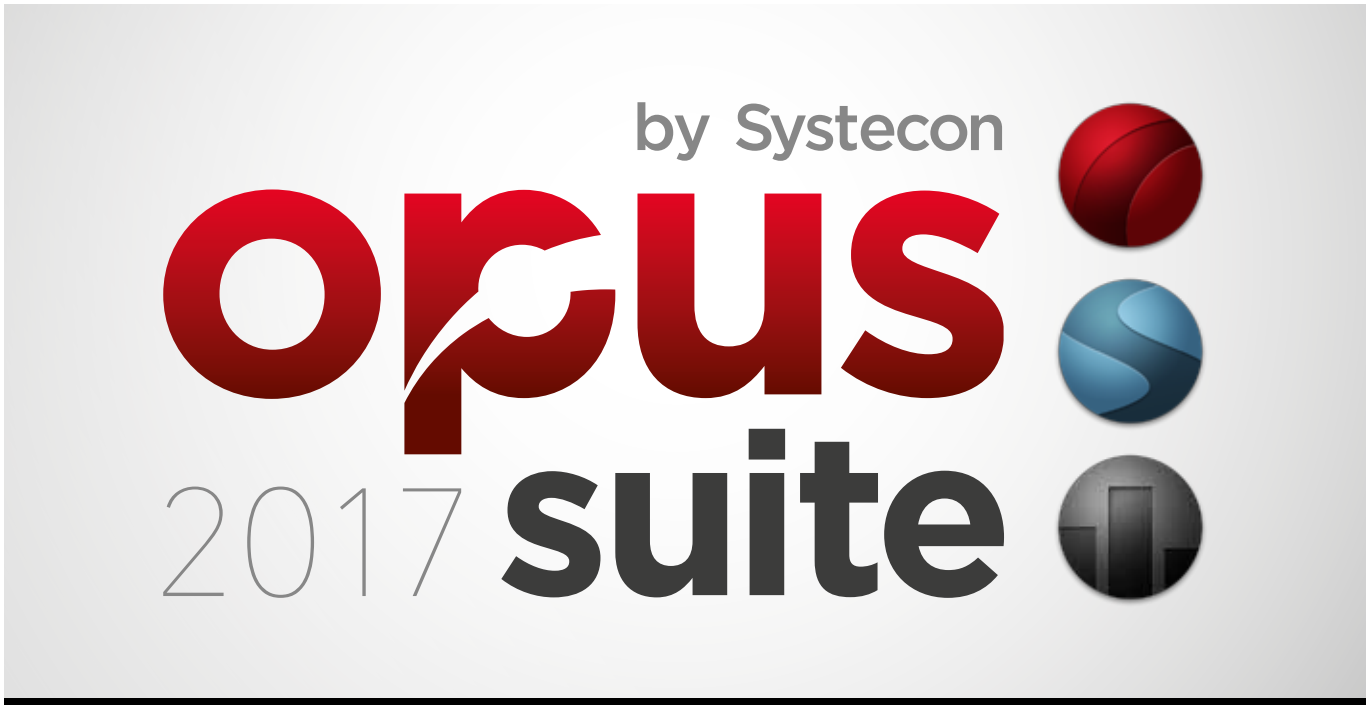


New release of Opus Suite – OPUS10, SIMLOX, and CATLOC

What's new in Opus Suite 2017

A new version of Opus Suite will be released in April 2017. Continuous development and improvement, with annual releases is a cornerstone of Systecon's ambition to provide Opus Suite users with state-of-the-art analytical capability, flexible scenario modeling and an intuitive effective user interface. The following outlines the enhancements in the new version. Some apply to the whole suite, while others are tool-specific.

Replication results, shorter runtimes and improved integration

Simulation results may now be provided per individual replication, in addition to the current results that are aggregated over all replications in SIMLOX. A major enhancement that increases the ability to optimize contract terms and other KPI parameters in performance-based support agreements, to assess operational and financial risks, and to assess and illustrate the statistical variance in the outcome.

Increasing scenario size and complexity, coupled with new powerful analysis capabilities drive up CPU and memory utilization. Software performance has therefore been a key focus for the last two releases. The improvements are most apparent in SIMLOX, where simulations in version 2017 are 20-50% faster than in version 2016. And the runtimes are shorter in OPUS10 and CATLOC as well.

Integration has improved further in several ways. The new time blocks modeling in CATLOC simplifies the use of variable time scales. This is particularly useful when importing or linking data from OPUS10 and SIMLOX. For example, it means that phase scenario results from OPUS10 can now be directly imported to CATLOC. The establishment of a common Opus Suite cost model further streamlines the transfer of cost data between the tools. Finally, the new ability to import and export data using JSON text format provides a new effective way to integrate with external sources.

Continuous development with focus on Opus Suite users

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

Key enhancements

- Results can be provided per replication in SIMLOX.
- Software performance has been further improved. Primarily in SIMLOX, but also in CATLOC and OPUS10.
- The new time blocks modeling in CATLOC gives flexibility and compatibility with OPUS10 and SIMLOX.
- Phase scenario results from OPUS10 can be imported to CATLOC.
- System maintenance tasks can be included in LORA XT (Maintenance Concept Optimization) in OPUS10.
- Maintenance Candidates can be auto-generated in LORA XT in OPUS10.
- Usability has been improved with new commands and toolbar buttons.
- A PM event limit can be set for preventive maintenance tasks, to model e.g. "first service".
- Data can be imported and exported using JSON text format.

What's new in Opus Suite 2017

NEW RELEASE APRIL 2017

The following enhancements apply to all three tools:

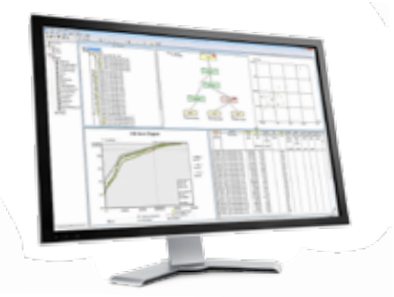
- ✔ The establishment of a common Opus Suite cost model makes it easier to use data from OPUS10 and SIMLOX, as input for cost analysis in CATLOC.
- ✔ JSON text format can be used for import and export of data (in addition to ODBC), which gives flexibility when building interfaces and applications around the Opus Suite.
- ✔ New commands and tool bar buttons, such as "go to next/previous table", "go to definition" and "go to references", make it easier and faster to navigate the input editor. In addition, some MS Excel-equivalent short cuts have been added.
- ✔ Input data rows can be temporarily deactivated, which e.g. allows what-if analyses without having to delete data.

by Systecon opus 2017 suite

The following improvements are tool-specific:

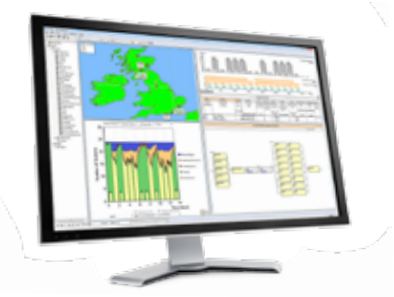
New functionality in OPUS10 v2017

- ✔ The LORA XT model is extended to include system maintenance tasks. Thus, the maintenance concept optimization functionality in LORA XT can be leveraged to include system maintenance and identify, for example, which system repair tasks should be performed at the deployment location (O-level) and which should be performed further up the support organization.
- ✔ Maintenance candidates in LORA XT can be generated in a semi-automatic way. This is particularly useful in cases with a large number of candidates, e.g. when several task levels exist within each task category.



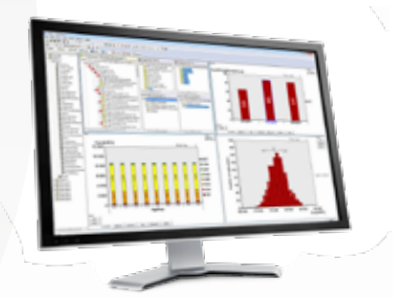
New functionality in SIMLOX v2017

- ✔ Simulation results can now be provided per replication, making it possible to illustrate the stochastic spread in different result parameters. This improvement is highly useful when, for example, establishing support contracts, and in different types of risk analysis.
- ✔ Performance has been further improved. In particular for parallel execution of different replications on multi-core computers, which is typically 20-50% faster than in version 2016.
- ✔ The new option to set a PM event limit makes it possible to constrain the number of times a PM (preventive maintenance) event occurs. The most obvious use is to model a one-time PM activity, like a first service on a system.



New functionality in CATLOC v2017

- ✔ Flexible time modeling in CATLOC increases the ability to import and directly link to results from OPUS10 and SIMLOX.
- ✔ Results from Phase Scenario calculations in OPUS10 can be imported to CATLOC and time blocks will be automatically adjusted to fit the phases. The costs can then be presented either per phase or per time unit (year, month, week, etc).
- ✔ Performance has been further improved, with faster calculations especially when data is linked to OPUS10 or SIMLOX.



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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