

29 March 2023

Opus Suite
Conference

SYDNEY

Opus Suite Connect Integration and Data Ingestion

Ahmed Hatem
Systecon AB

by Systecon
opus
suite

 **Systecon**

What is Opus Suite Connect?

- Opus Suite Connect is an application for data ingestion and integration, or ETL (Extract, Transform, Load).
- Extract – integrate or feed.
- Transform – to the Opus Suite data format
- Load, or export the resulting Opus Suite model



What can we achieve with Connect?

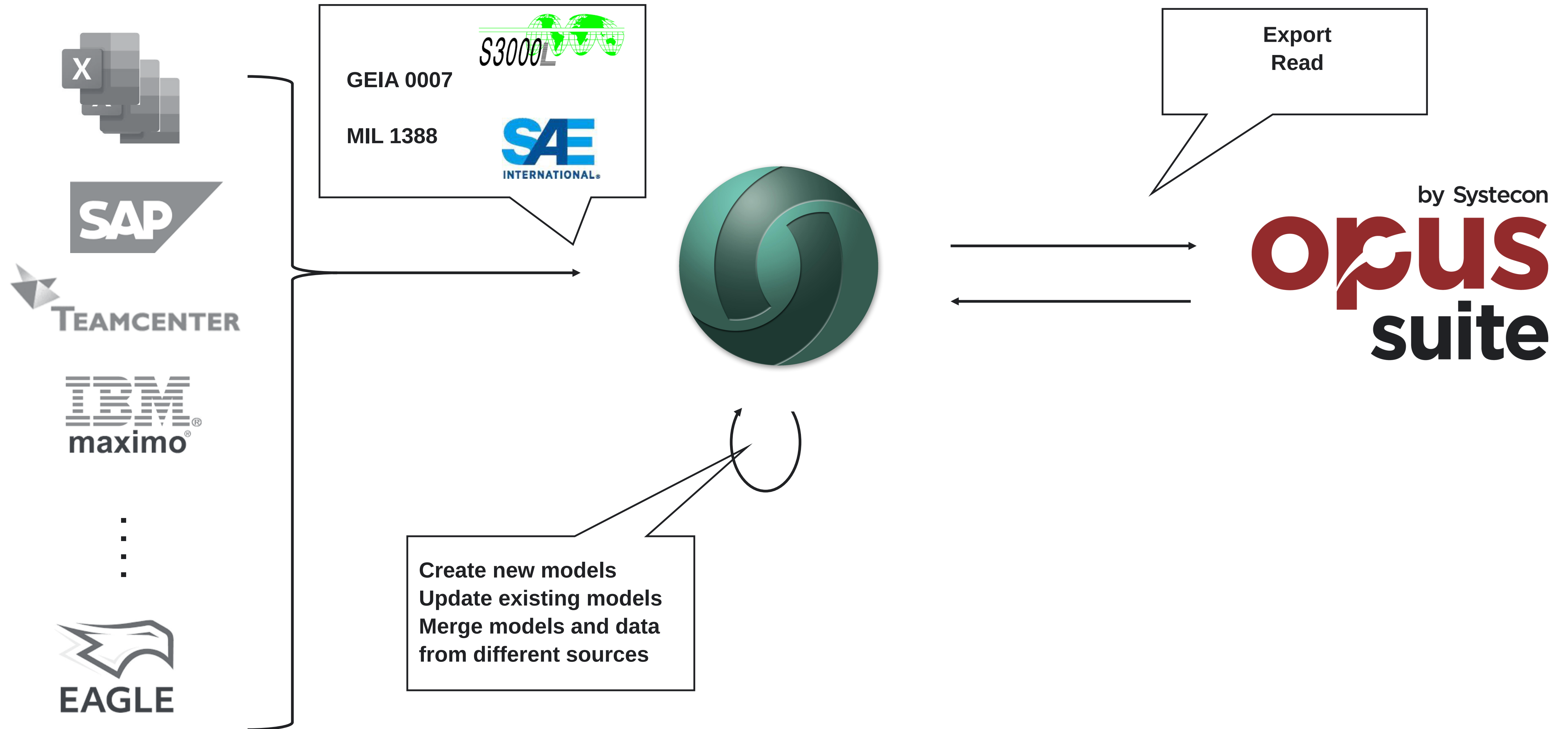
Connect can cut 50-80% of the time required to perform an Opus Suite analysis from start to finish.

- The process becomes faster, questions can be answered earlier, and Opus Suite powered decision support can be produced quicker.
- Cutting much of the starting distance will also free up time for more value bringing activities.

Quality in data is increased since fewer manual steps are required to clean up and transform the data to the right format.



Schematics of Opus Suite Connect



Example of use cases

Any use case where you repeat an analysis frequently

- Predict the operational availability for a fleet of systems

The “classical” ILS process

- Iteratively evaluate the system design from a supportability perspective

Can be done manually but might introduce errors and is time consuming

Demo

- Log into LSAR database
- Access asset in GEIA0007 from database
- Review data
 - Product breakdown structure
 - Tasks
 - Failures
- Transform data into Opus Suite model
 - Or update existing model with new data
 - Or merge two or more models into one
- Two ways of using
 - Web interface
 - GUI

The screenshot displays the Opus Suite web interface, showing the process of transforming data into an Opus Suite model. The interface is divided into two main panels: Input and Output.

Input Panel:

- Input:** A file named "Bike (1).xml" is selected. A date picker shows "02/11/2022" with a calendar icon.
- Breakdown Selection:** Radio buttons for "All elements" (selected) and "Only LSA candidates".
- Additional Data Source:** A button labeled "+ Add additional data".
- Create Opus Suite Model:** A text input field containing "Bike" and a button with a document icon.
- Merge:** Two dropdown menus for "Select Destination Model" and "Select Source Model".
- FMEA Selection:** Checkboxes for "Include Failures" and "Include Tasks", both of which are checked.
- Merge Strategy:** Radio buttons for "Update values" (selected) and another option.

Output Panel:

- Select Opus Suite Model:** A dropdown menu showing "Bike".
- Navigation:** Tabs for "BREAKDOWN TREE" (selected), "TASKS", and "FAILURES".
- Breakdown Tree:** A hierarchical tree structure showing the product breakdown. The tree is expanded to show the "SEAT" component, which is highlighted in green. Below "SEAT", a failure is listed: "DA3-20-00_00_Failure_0" with a red "F" icon. Below the failure, a "Failure Rate" is shown with a red "R" icon and a rate of 1.

Thank you.

