EHANDBOOK-NAVIGATOR

Key Features User Guide
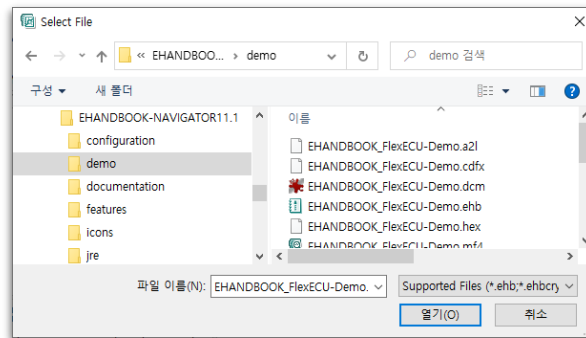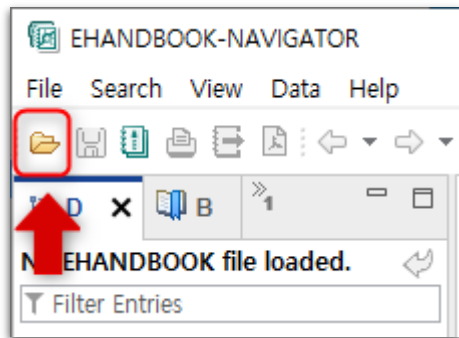
ETAS

Loading an EHNADBOOK File or Project
     Supporting of **Multiple EHANDBOOK Files**
Opening an **Interactive Model**
     Expending or Collapsing Hierarchy Levels
Navigation Bar – History
Highlighting to Source or Highlighting to Destination
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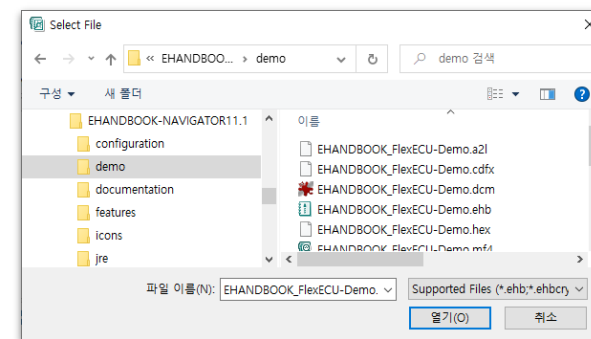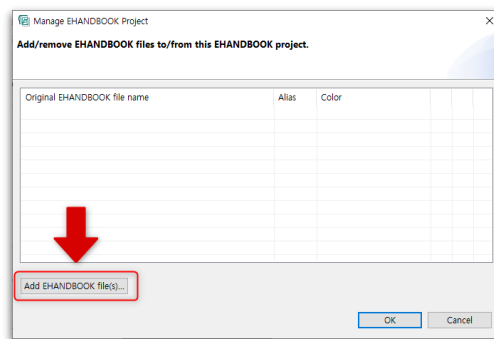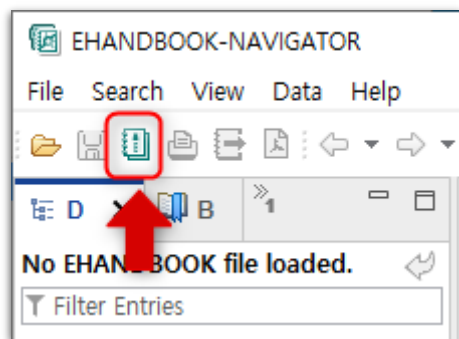Keyboard **Shortcuts**
Help Contents

EHANDBOOK-NAVIGATOR
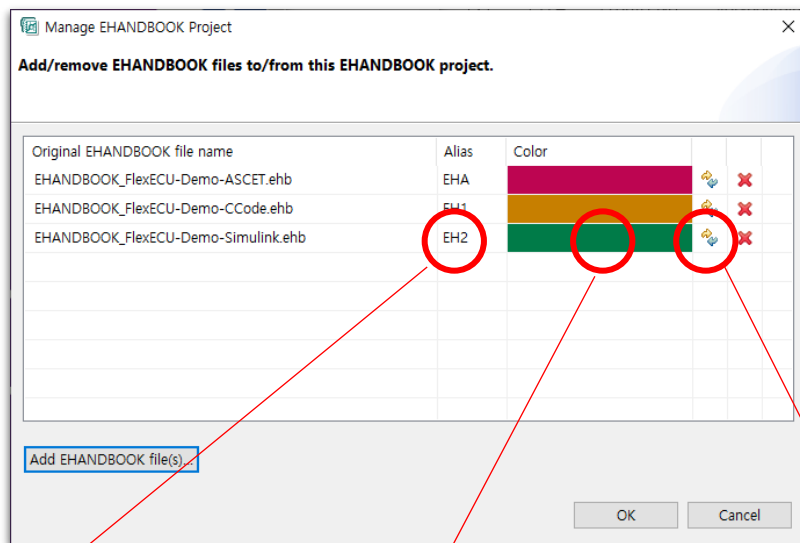
Loading an EHNADBOOK File or Project

– Open …

– Manage Project …

EHANDBOOK-NAVIGATOR
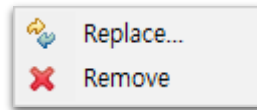
Supporting of Multiple EHANDBOOK Files
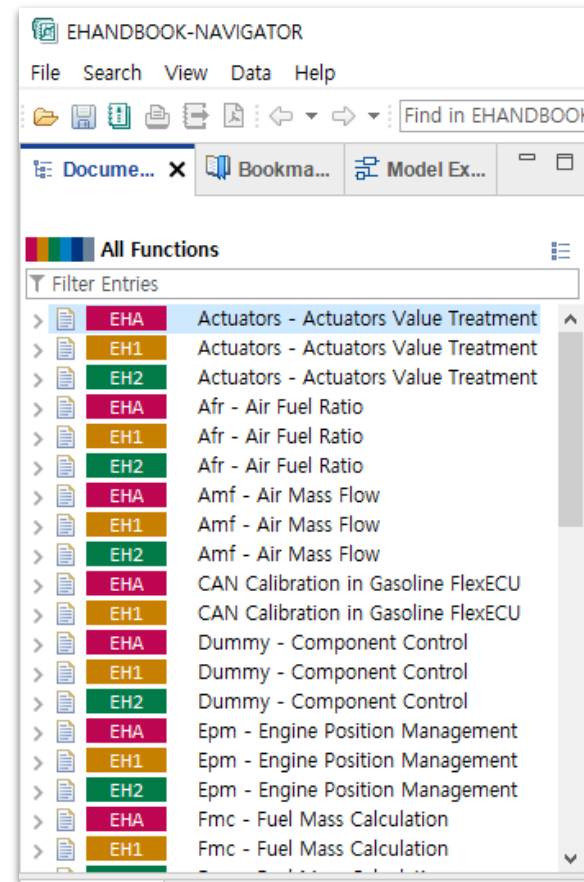
– Manage Project …

Edit Alias

Change Color
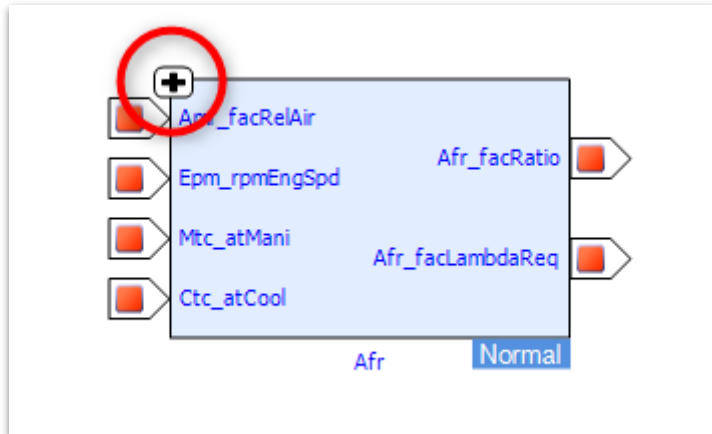
Replace & Remove

EHANDBOOK-NAVIGATOR

Opening an Interactive Model
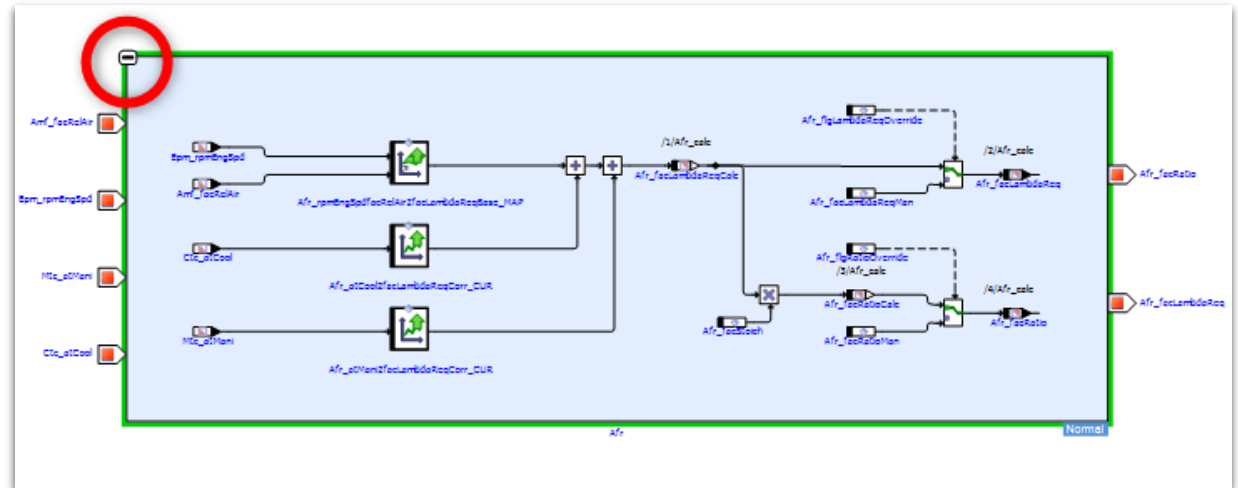
EHANDBOOK-NAVIGATOR
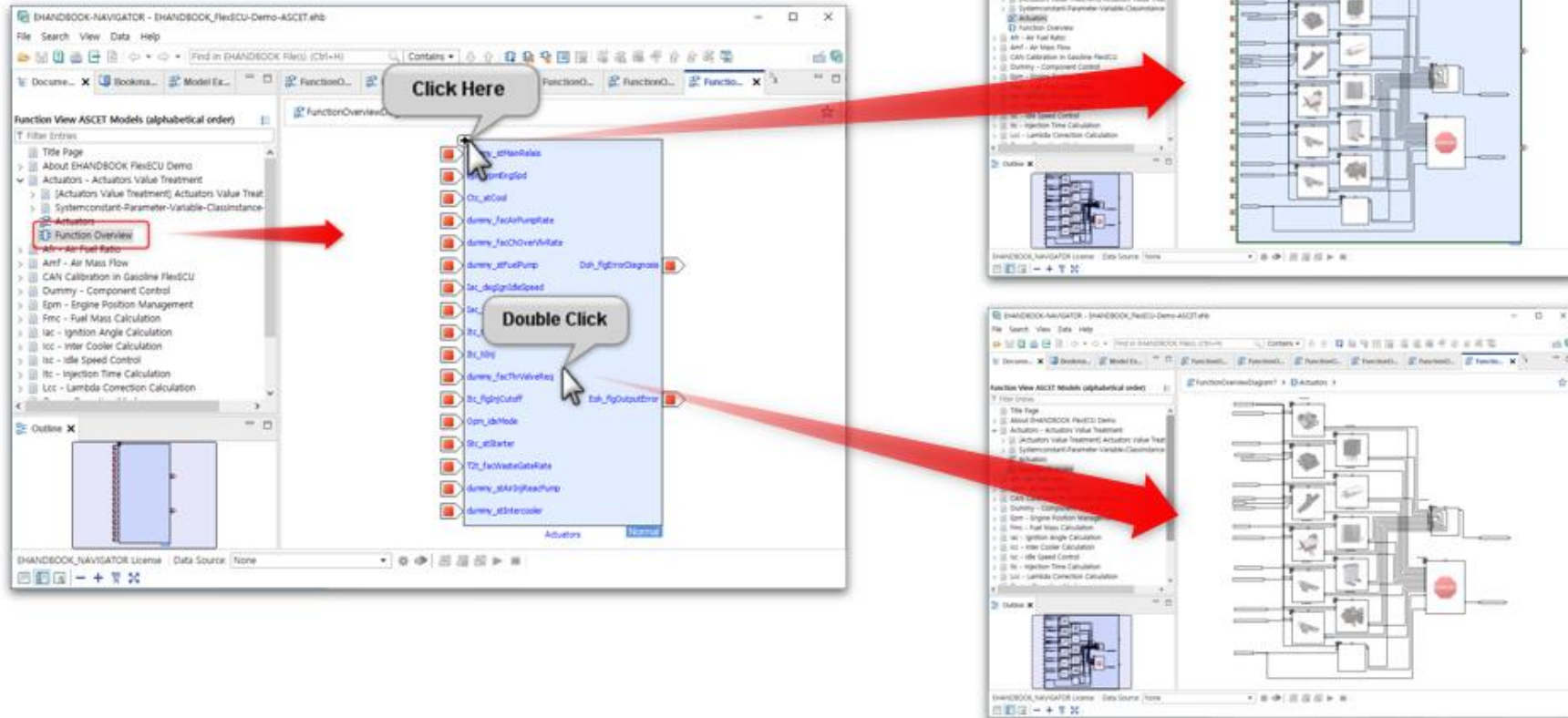
Expending or Collapsing Hierarchy Levels
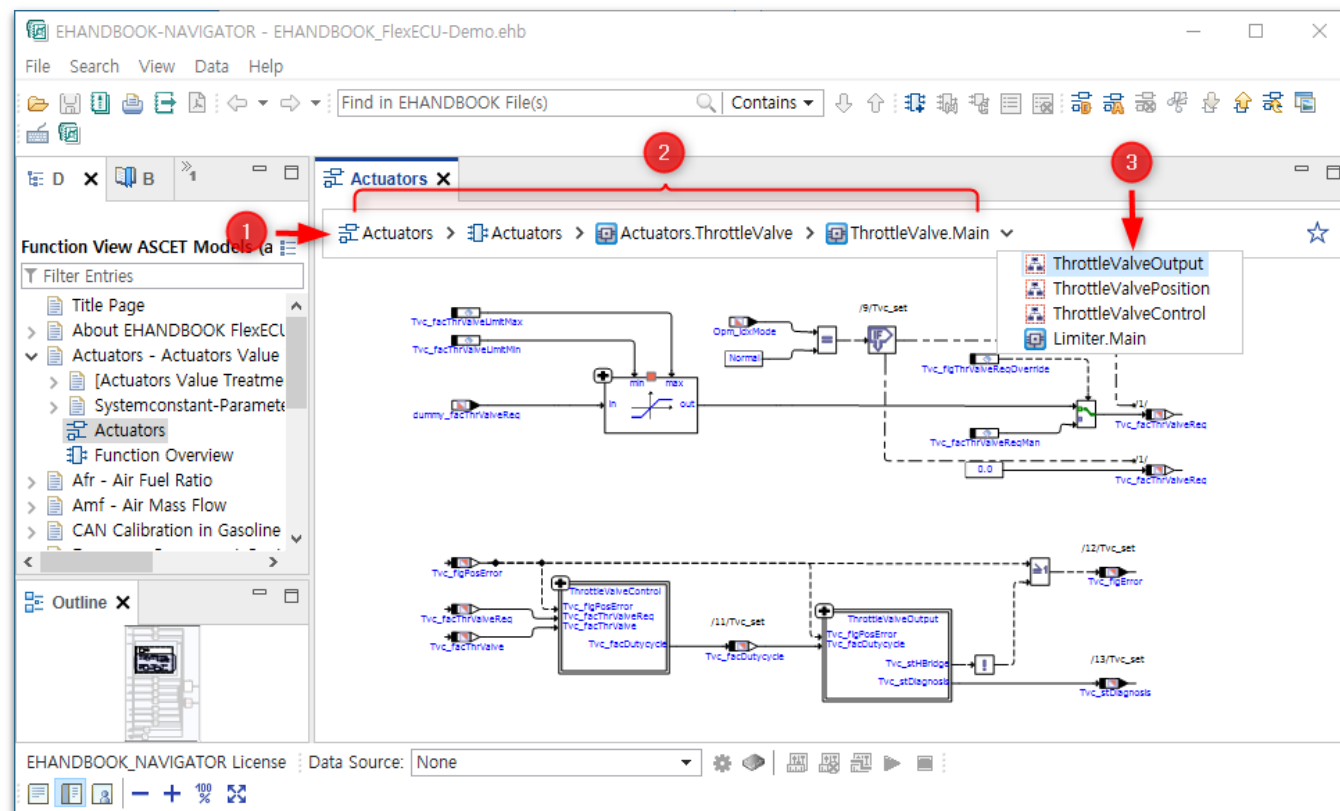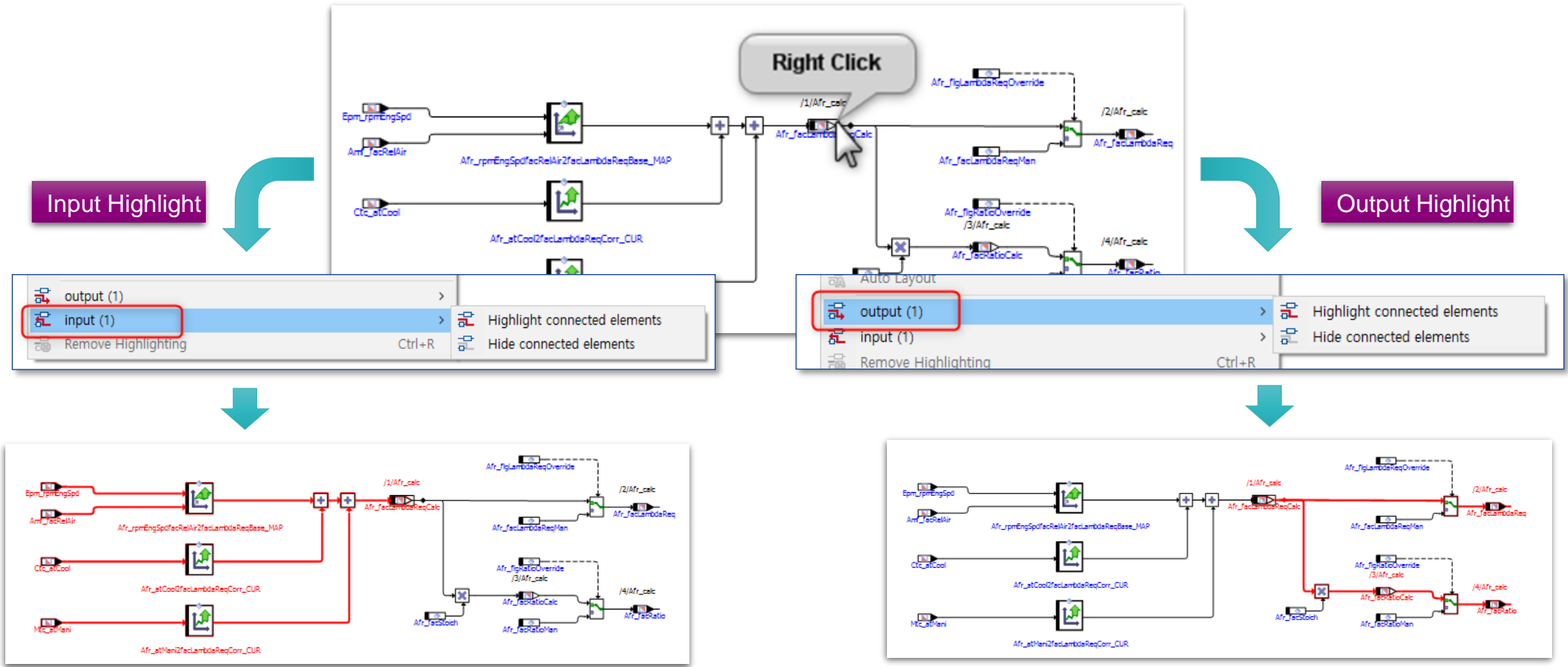
EHANDBOOK-NAVIGATOR

Navigation Bar - History

– EHANDBOOK-NAVIGATOR
navigation bar allows you to keep
track of the current model layer
when navigating through it.
It also helps you to navigate back
quickly to the starting point or to
any previous levels.

① Navigation bar
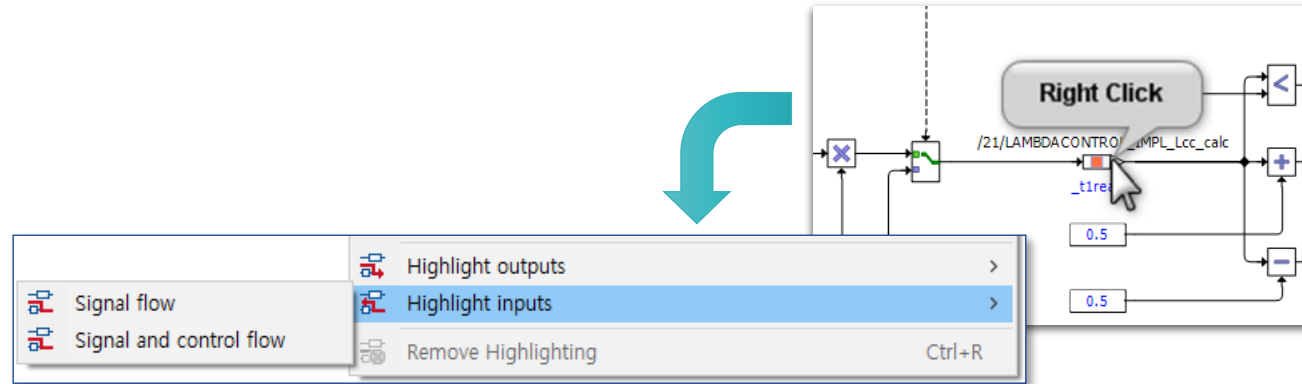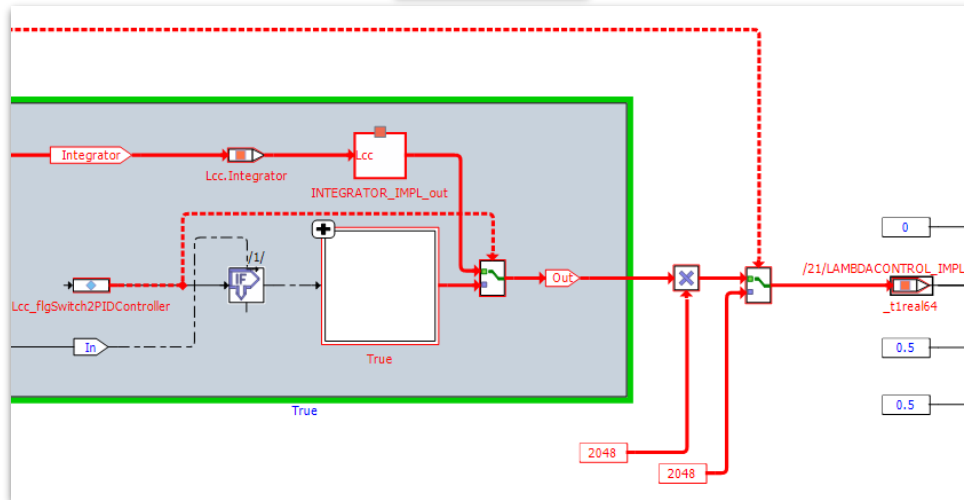② Navigation items **(copy & share)**
③ Dropdown list

– Navigation History

EHANDBOOK-NAVIGATOR

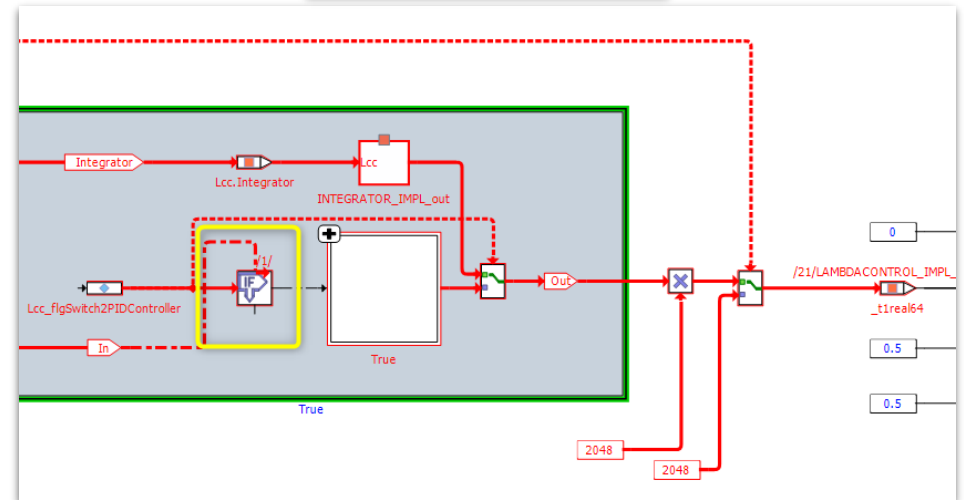## Highlighting to Source or Highlighting to Destination

EHANDBOOK-NAVIGATOR

Signal Flow Highlighting for C-code Based Interactive Models

EHANDBOOK-NAVIGATOR
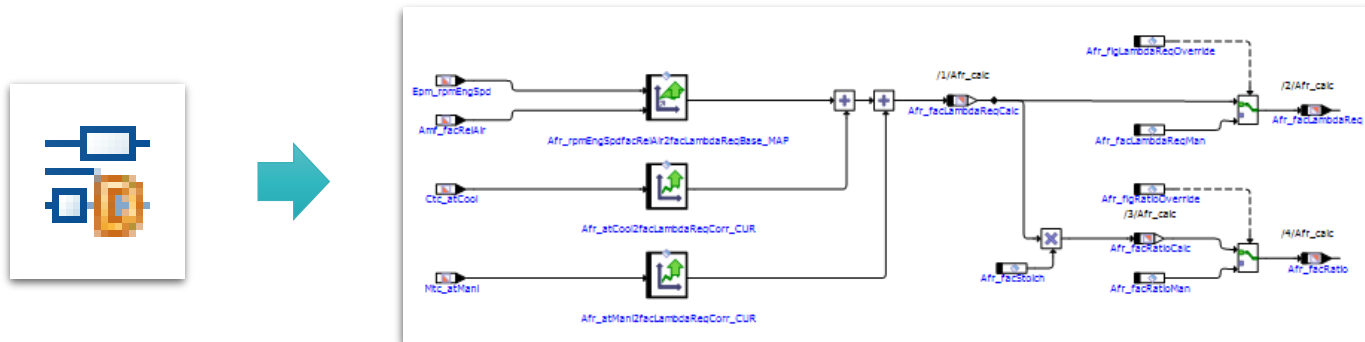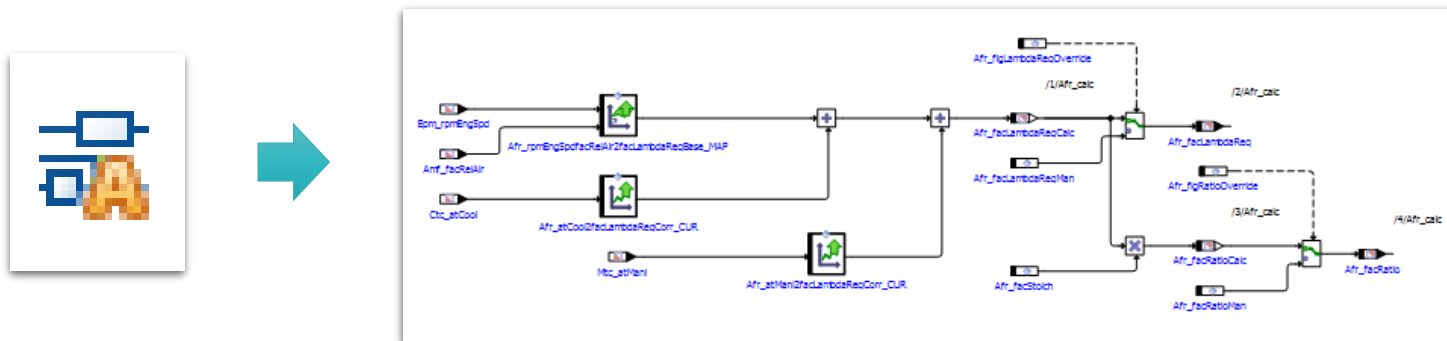
Model Viewer - Layout

– Default layout

The layout designed in the authoring tool (ASCET) is generated.

– Auto layout

Layout algorithms built in EHANDBOOK optimizes the block and connection placements and generates an automatic layout of the ASCET model/Simulink model/Function Overview Diagram.
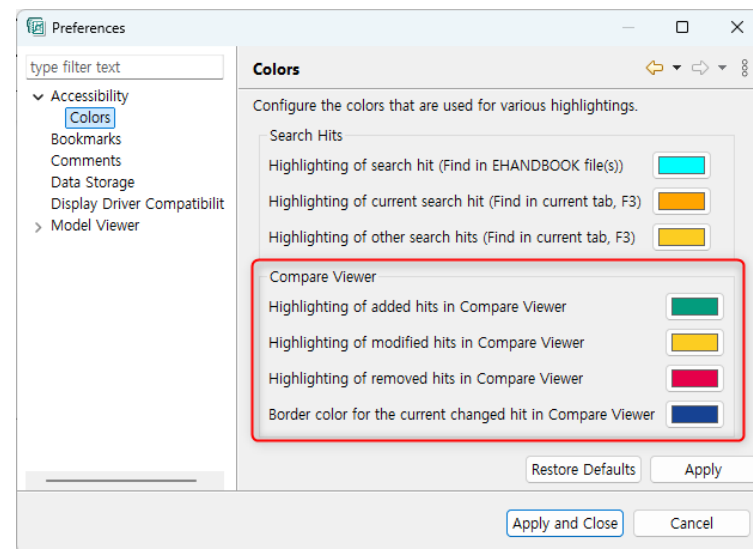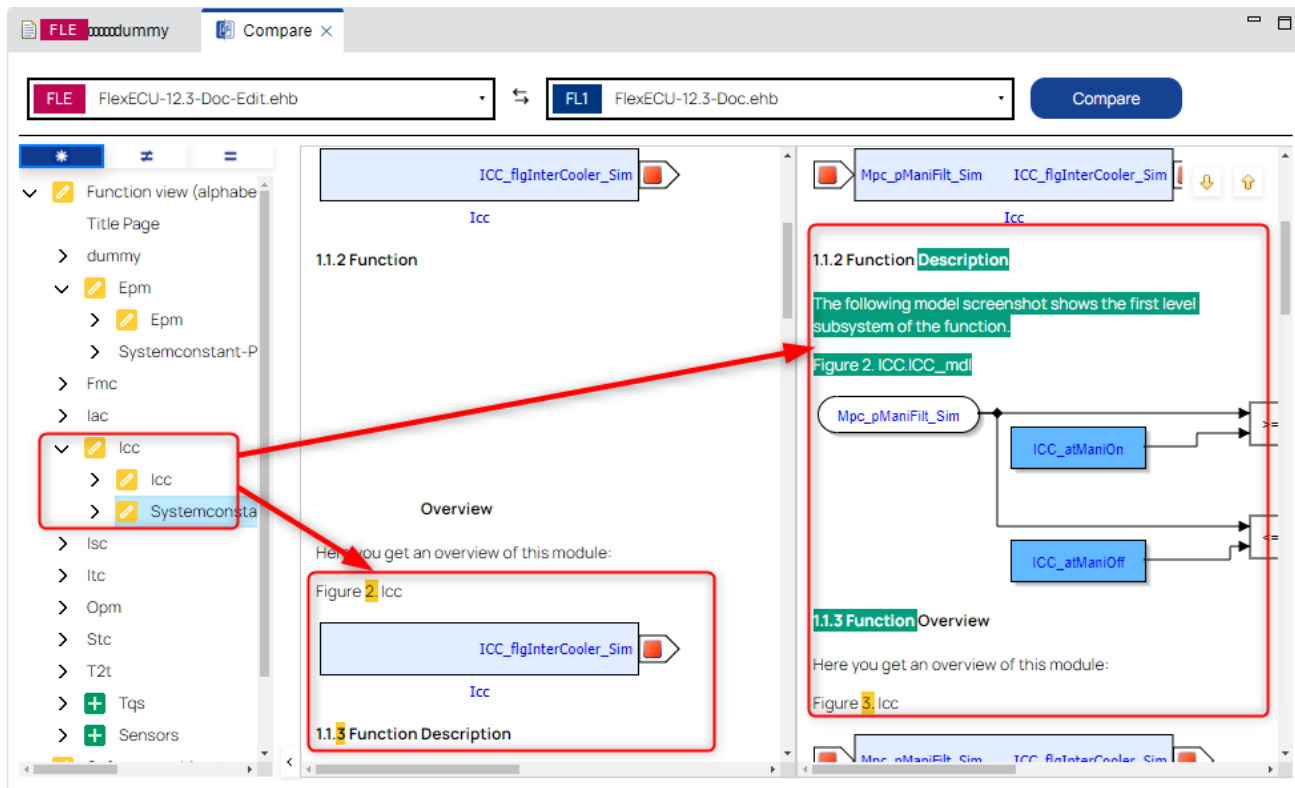
EHANDBOOK-NAVIGATOR

Model Viewer - Modify, share and open location

– Modify and copy location directly from the navigation bar
– Easy sharing of locations
– Open a new editor with a specific content
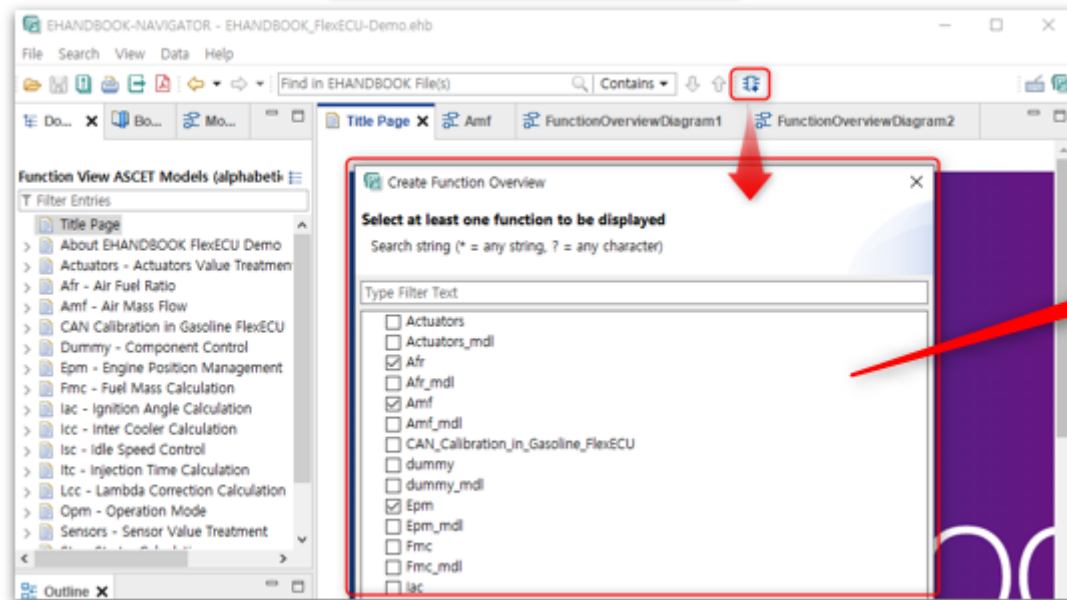
EHANDBOOK-NAVIGATOR
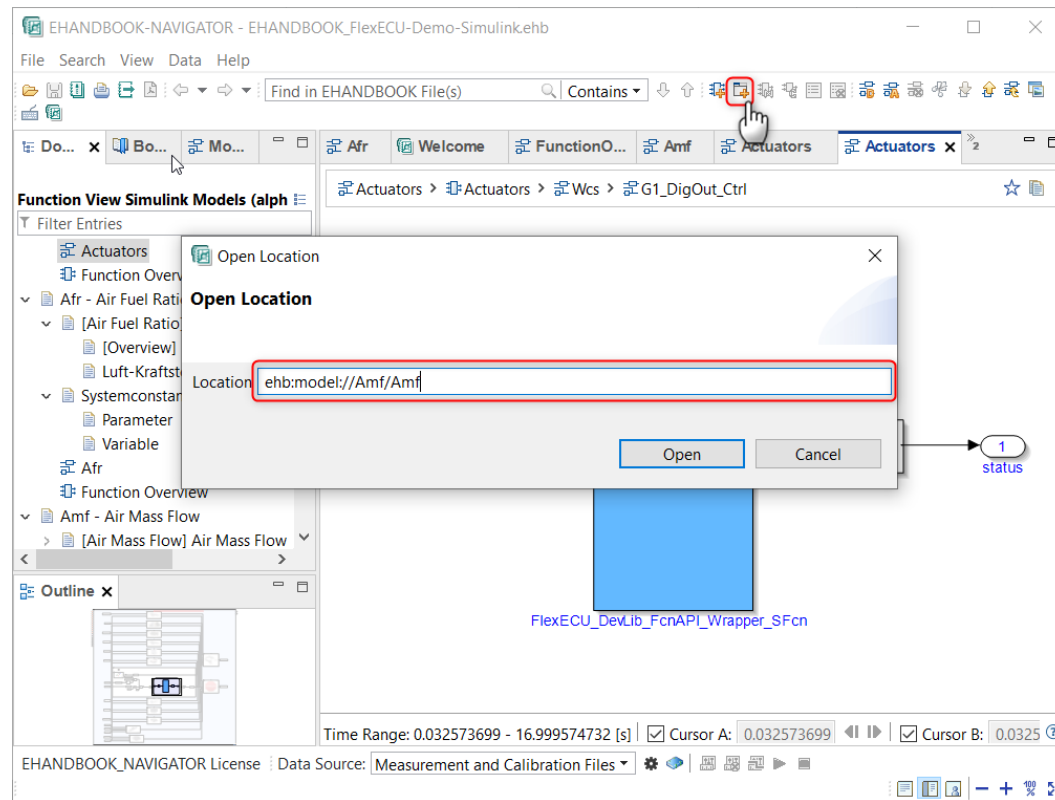
Container Compare

– Add-on that allows to compare two arbitrary containers.
– Explore and review the differences using a side-by-side viewer with synchronized scrolling.
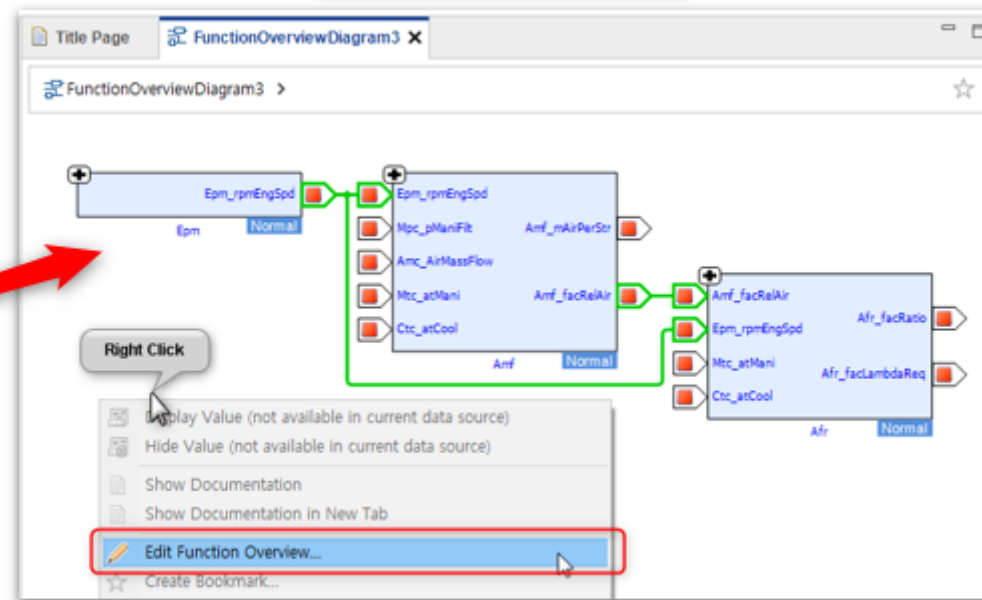
EHANDBOOK-NAVIGATOR

Creating a new Function Overview Diagram

– This feature helps to create a new **Function Overview** Diagram by selecting a set of functions from a list of all functions in the currently loaded EHANDBOOK container or a project. EHANDBOOK-NAVIGATOR also allows to edit the created Function Overview Diagram.
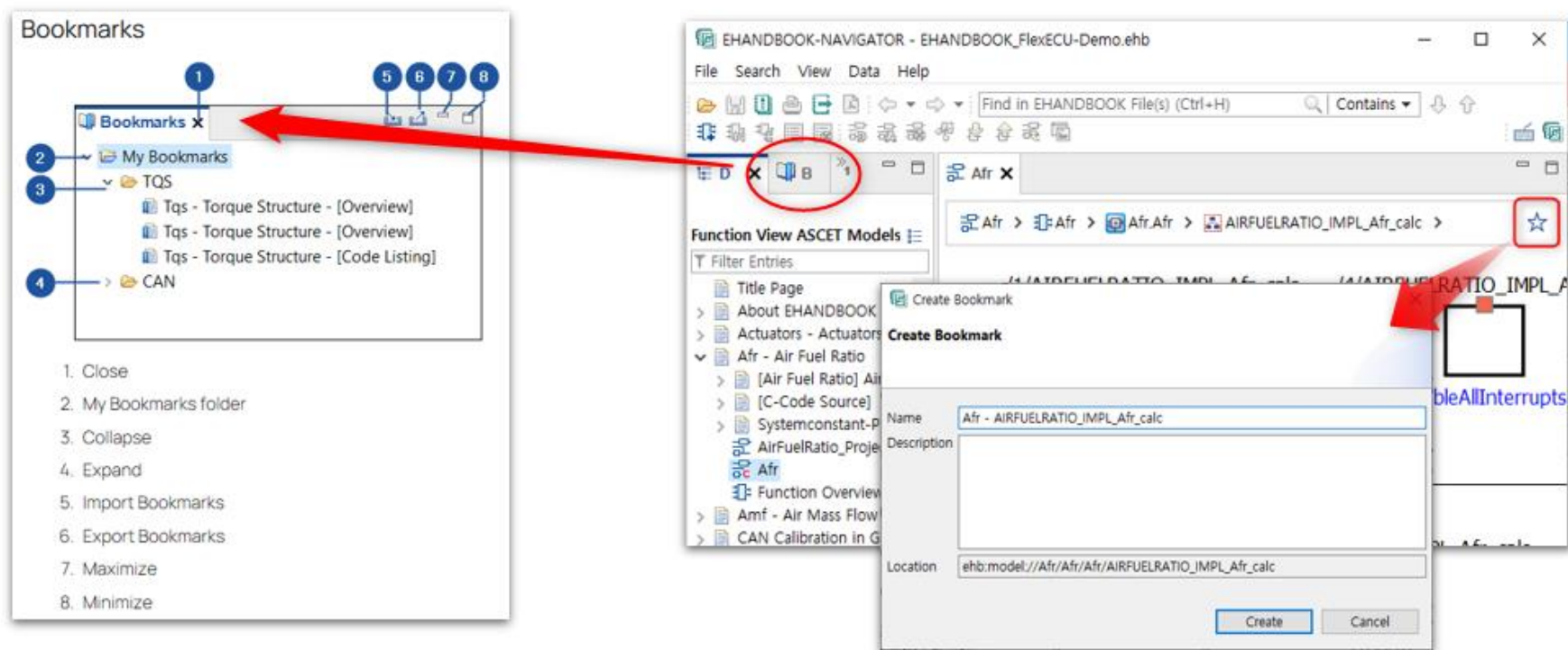

Create Function Overview

Edit Function Overview

EHANDBOOK-NAVIGATOR

Bookmarks

– **Bookmarks** feature in EHANDBOOK-NAVIGATOR allows you to store the location of the container topics

EHANDBOOK-NAVIGATOR

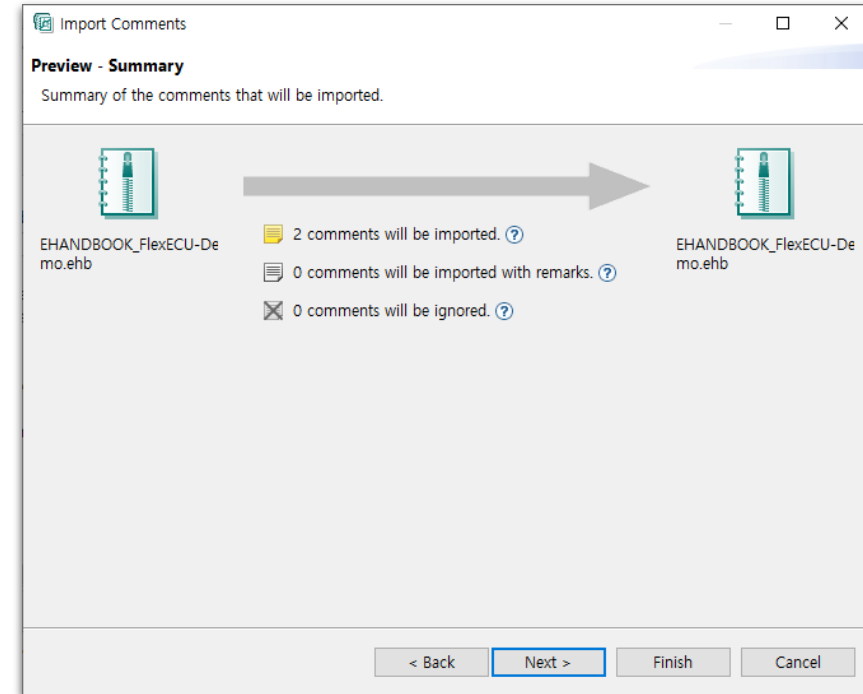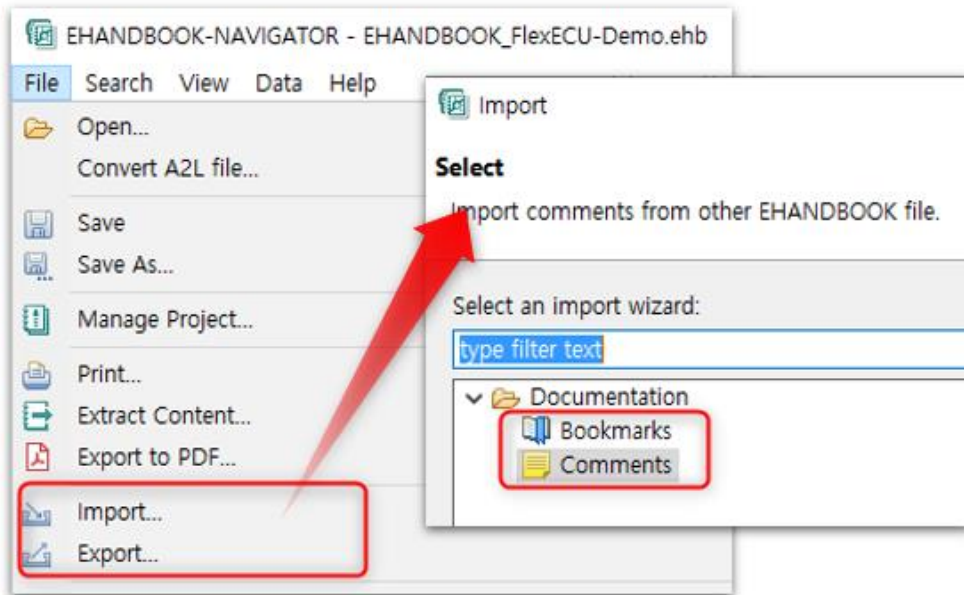## Comments

– **Comments** feature in EHANDBOOK-NAVIGATOR allows you add comments to specific portions of Document Viewer

EHANDBOOK-NAVIGATOR

Import or Export Bookmarks & Comments

# EHANDBOOK-NAVIGATOR

Searching – Find in EHNADBOOK File(s)

– **Search** feature in EHANDBOOK-NAVIGATOR assists you in finding vital information in the content of a loaded EHANDBOOK container. Search queries can be entered in the **Search** field that is integrated into the toolbar of the EHANDBOOK-NAVIGATOR.

① Search field
② Search Results View
③ Searched item

EHANDBOOK-NAVIGATOR
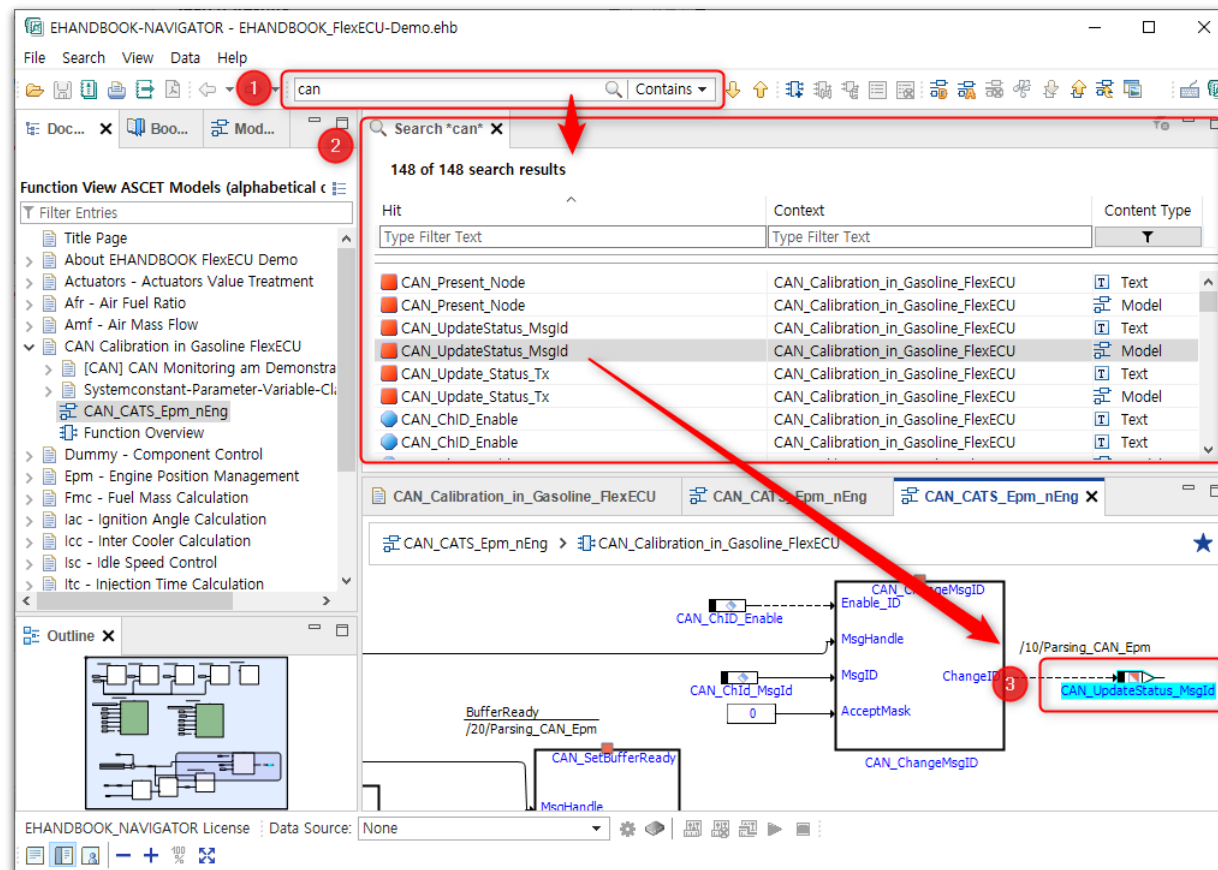
Searching – Find in Current Tab

– **Find in current tab** assists you in finding vital information in the Document Viewer and Model Viewer in the current tab.

EHANDBOOK-NAVIGATOR
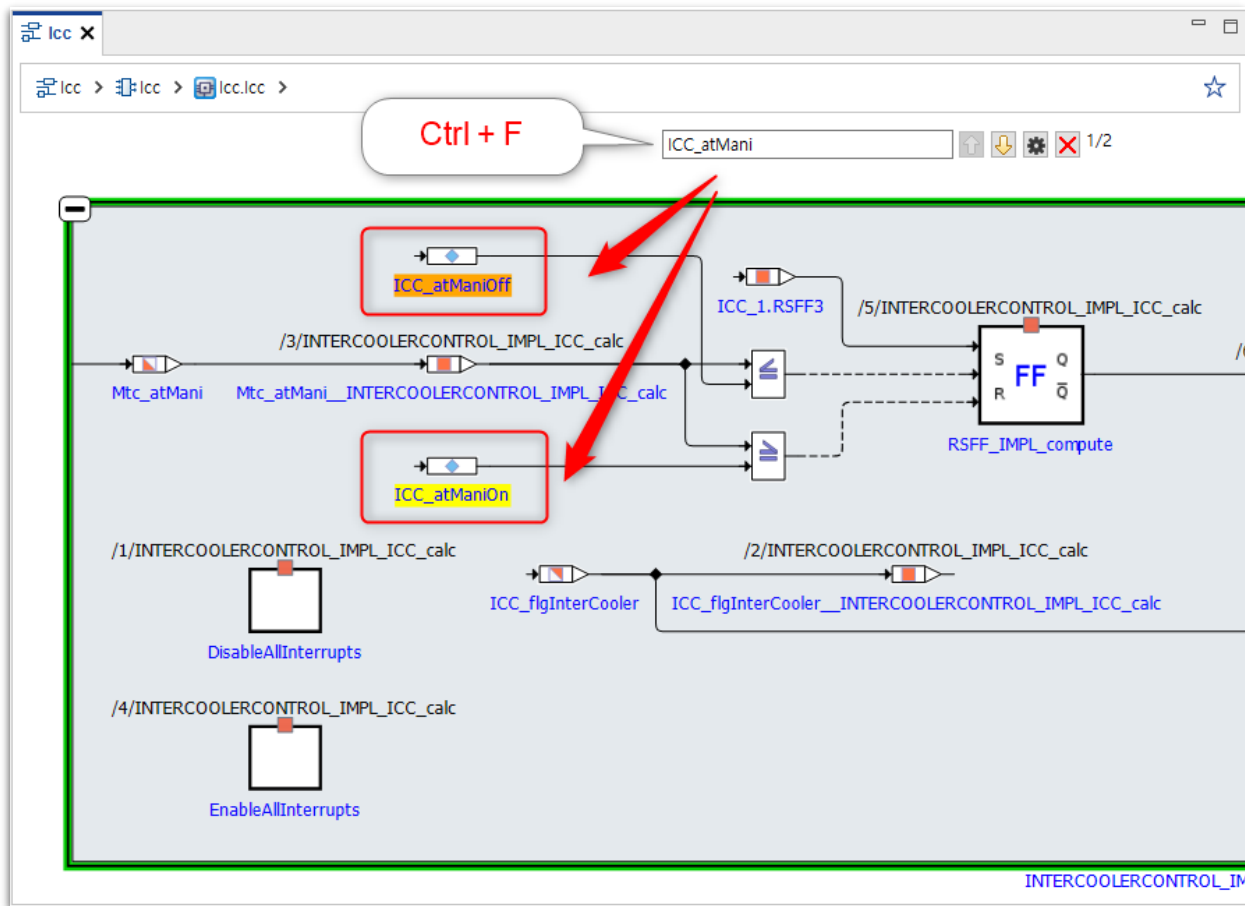
Export as Image

– The **Export as Image...** feature in the toolbar helps to export/save the selected model or the function overview diagram as an image.
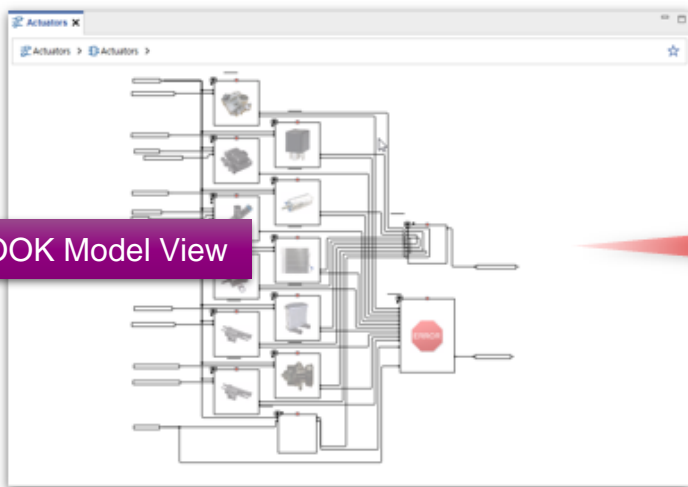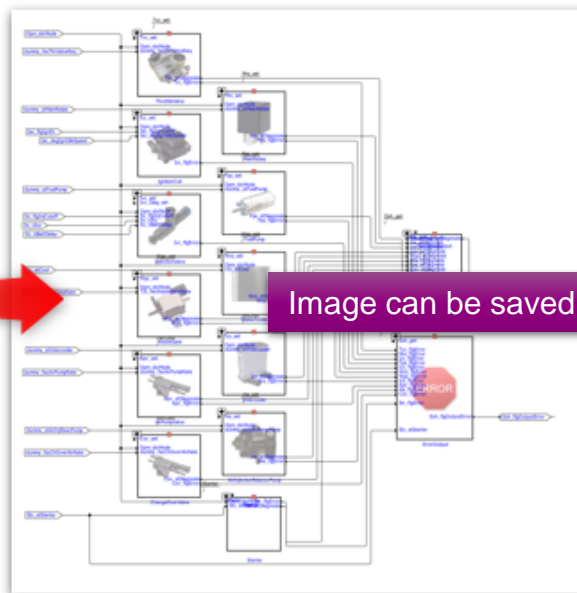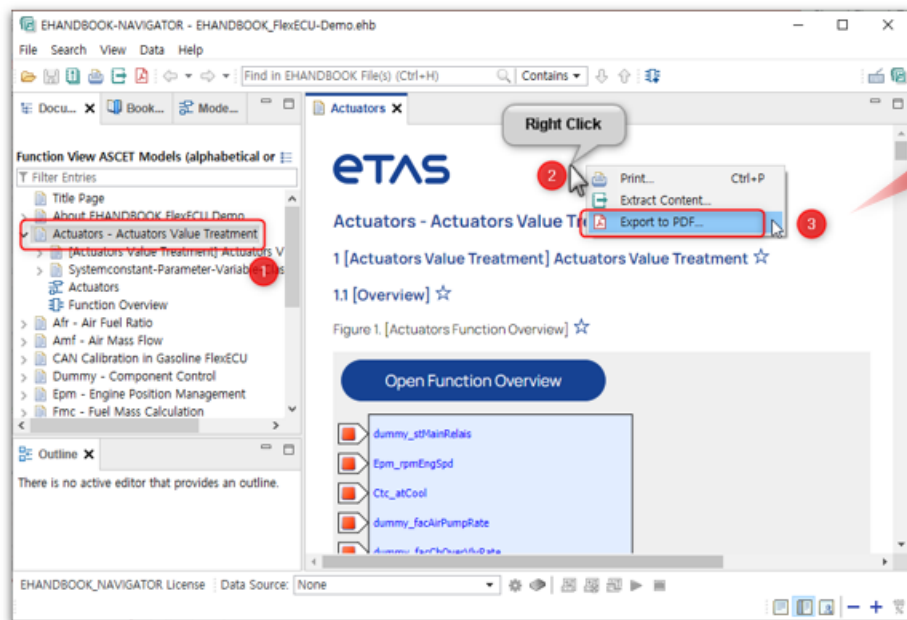

EHANDBOOK Model View

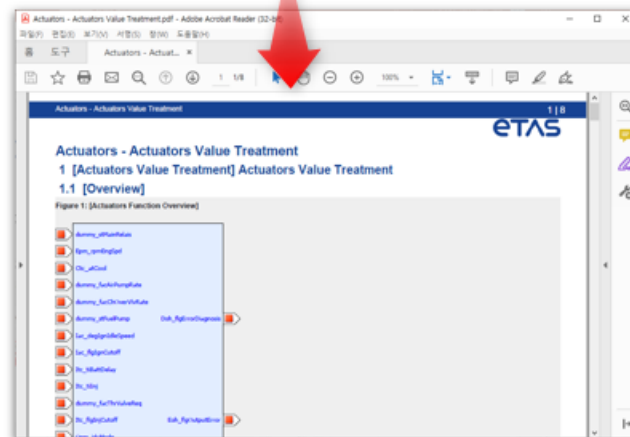Image can be saved as .png/.jpeg/.bmp formats.
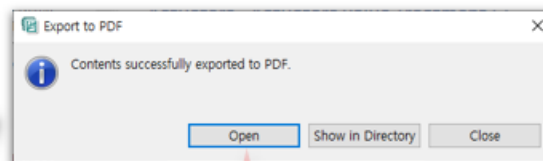
EHANDBOOK-NAVIGATOR

Export to PDF

– This feature helps to export the contents of a particular functional component (FC) to a PDF document.
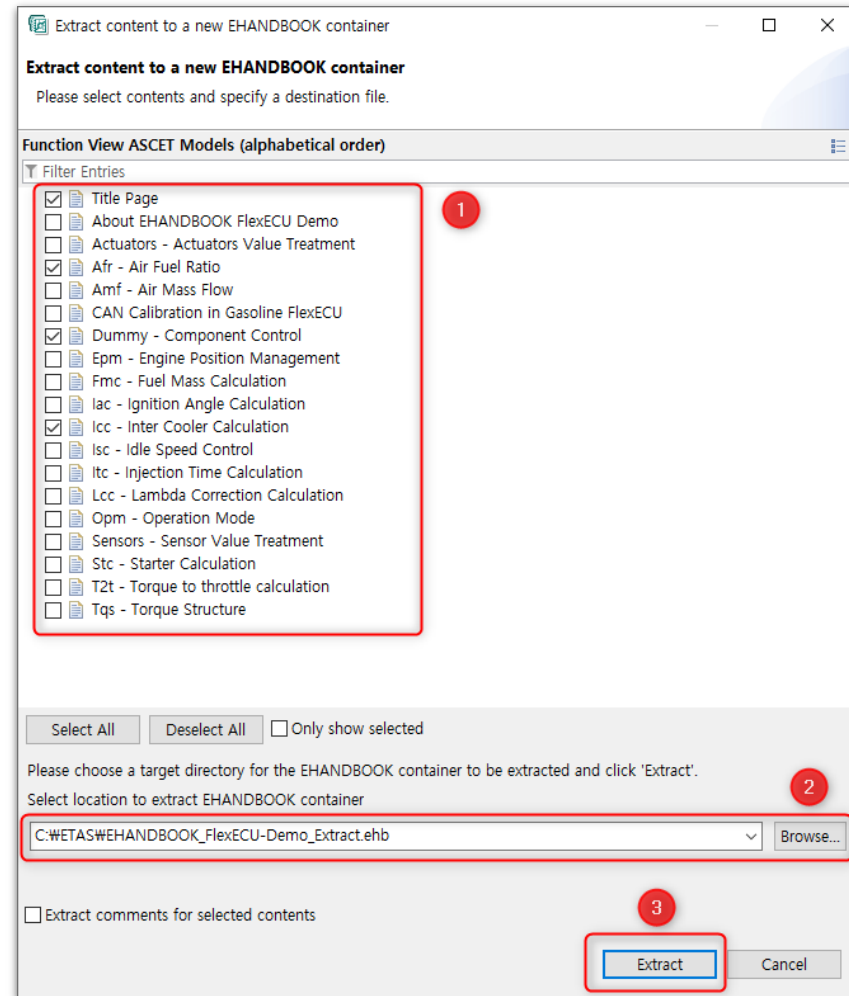

EHANDBOOK View

**PDF Document**

EHANDBOOK-NAVIGATOR

Extracting content of EHANDBOOK container

– This feature helps to extract contents from the currently loaded EHANDBOOK container and generate a new EHANDBOOK container by selecting only the required functions from the existing container.
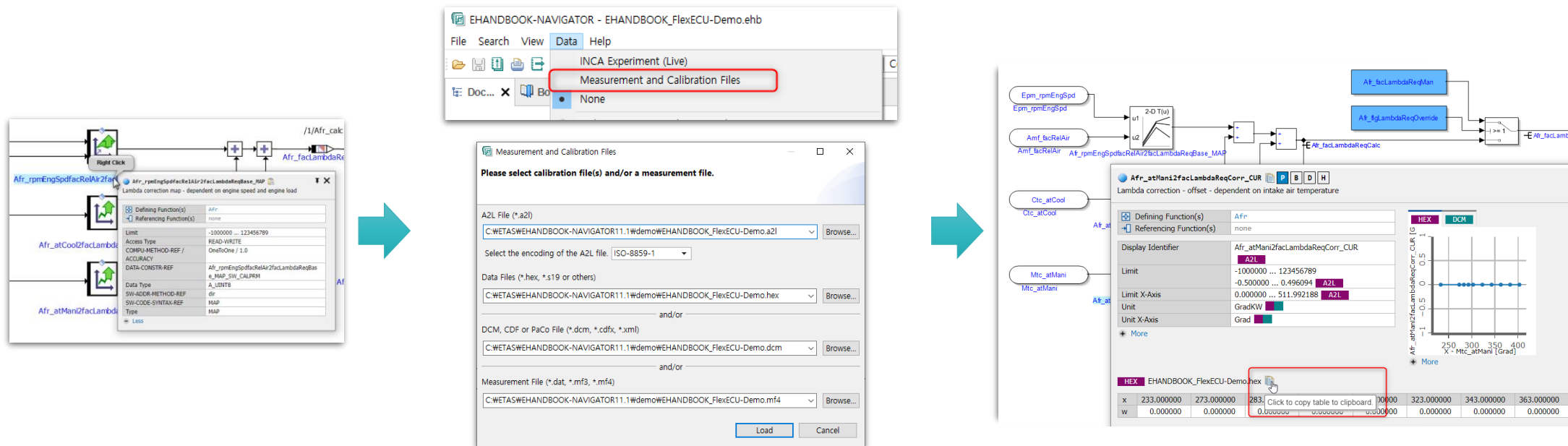
EHANDBOOK-NAVIGATOR

Loading an A2L File

– The EHANDBOOK-NAVIGATOR allows to load an A2L file and generates an EHANDBOOK container. An A2L file should comply with ASAM standard and it should have the valid Functions.
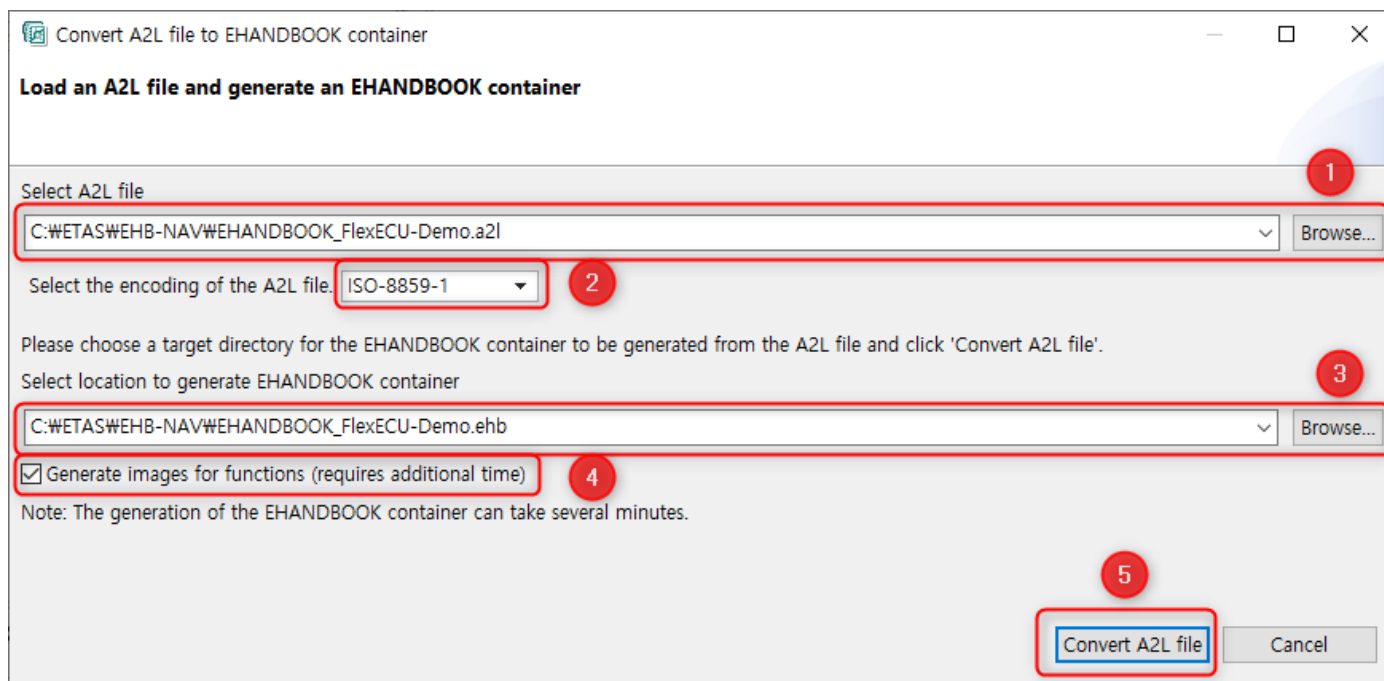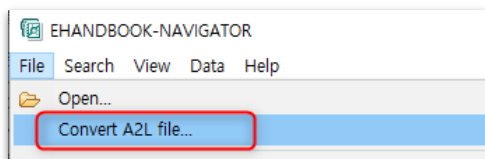
① A2L file selection
② A2L file encoding
③ Specify the location & name of container
④ Checkbox to generate images
⑤ Convert A2L file

EHANDBOOK-NAVIGATOR

Measurement and Calibration Files

– A Data Source provides values for names/labels in interactive models. Switching between different Data Sources will remove already added values from all the interactive models. The newly added functionality in EHANDBOOK-NAVIGATOR is the **Measurement and Calibration Files**. It allows the visualization of values which are recorded previously. For example, with INCA.

EHANDBOOK-NAVIGATOR

Interoperability with ETAS INCA - 1

– EHANDBOOK-NAVIGATOR provides an integrated view on the algorithm specifications of a function and the values being measured in the INCA experiment

- Connecting to INCA Experiment
  1. Start ETAS INCA and Select an active workspace
  2. Start an INCA experiment
  3. Open an interactive model in the Model Viewer
  4. Enable the Measurement of Calibrations if you want to add the calibration values.

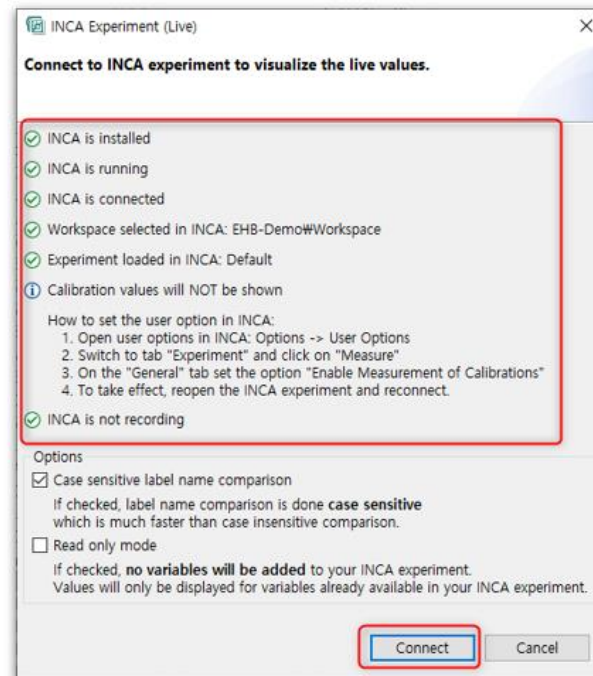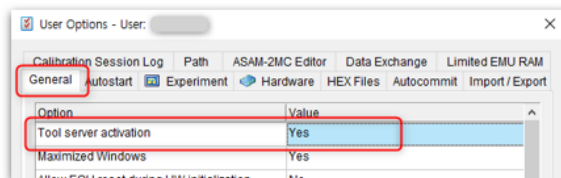# EHANDBOOK-NAVIGATOR
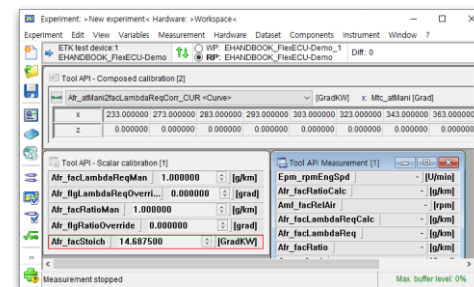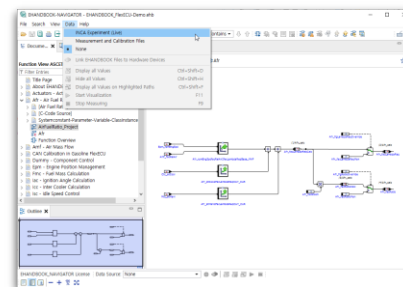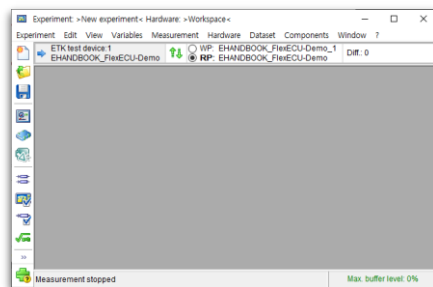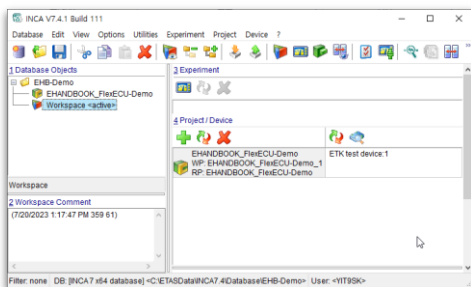
Interoperability with ETAS INCA - 2

– "INCA Experiment (Live)" dialog box is displayed with appropriate information. If all the above Prerequisites are satisfied, then the image which is shown below is displayed.

- To connect to an INCA experiment
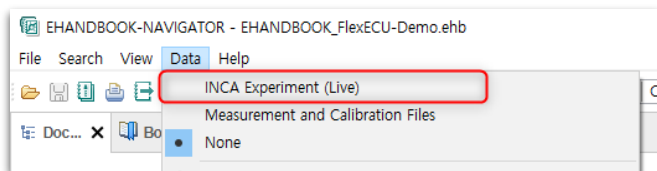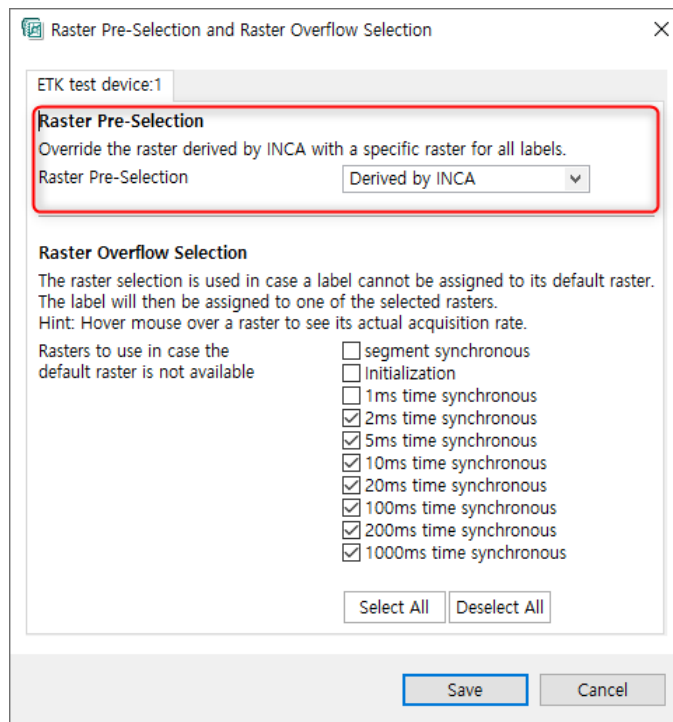
EHANDBOOK-NAVIGATOR

Raster Pre-Selection and Raster allocation in case of overflow

– "When connecting EHANDBOOK-NAVIGATOR to INCA you can influence the raster allocation by:
- Overwriting the default raster using raster pre-selection. (in case no default raster has been defined in the A2L)
- Specifying a list of rasters to use in case a raster cannot be assigned to its default raster.

Once connected to INCA, select the clock-shaped icon in the bottom toolbar.

EHANDBOOK-NAVIGATOR
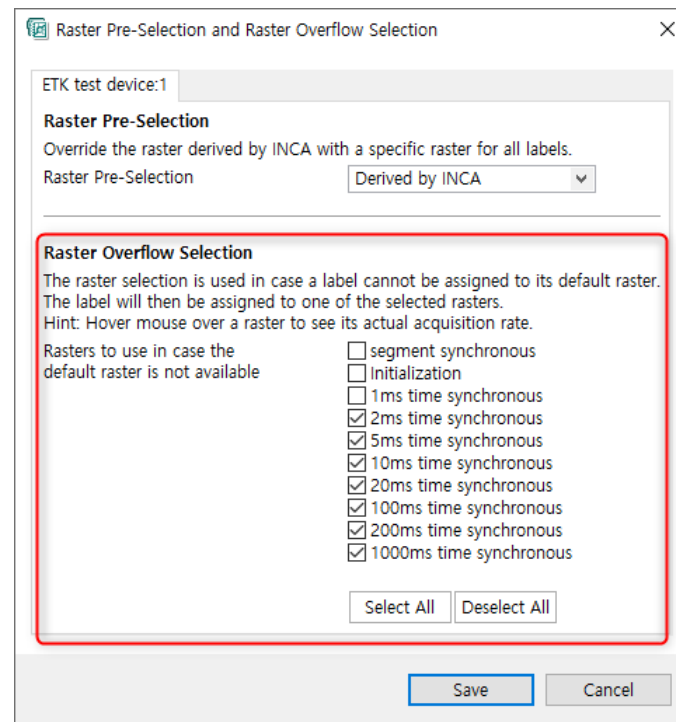
Interoperability with ETAS INCA - 3

– Starting the visualization and stopping the measurement of an INCA experiment using EHANDBOOK-NAVIGATOR is supported. Model blocks must be configured before starting the visualization.

EHANDBOOK-NAVIGATOR
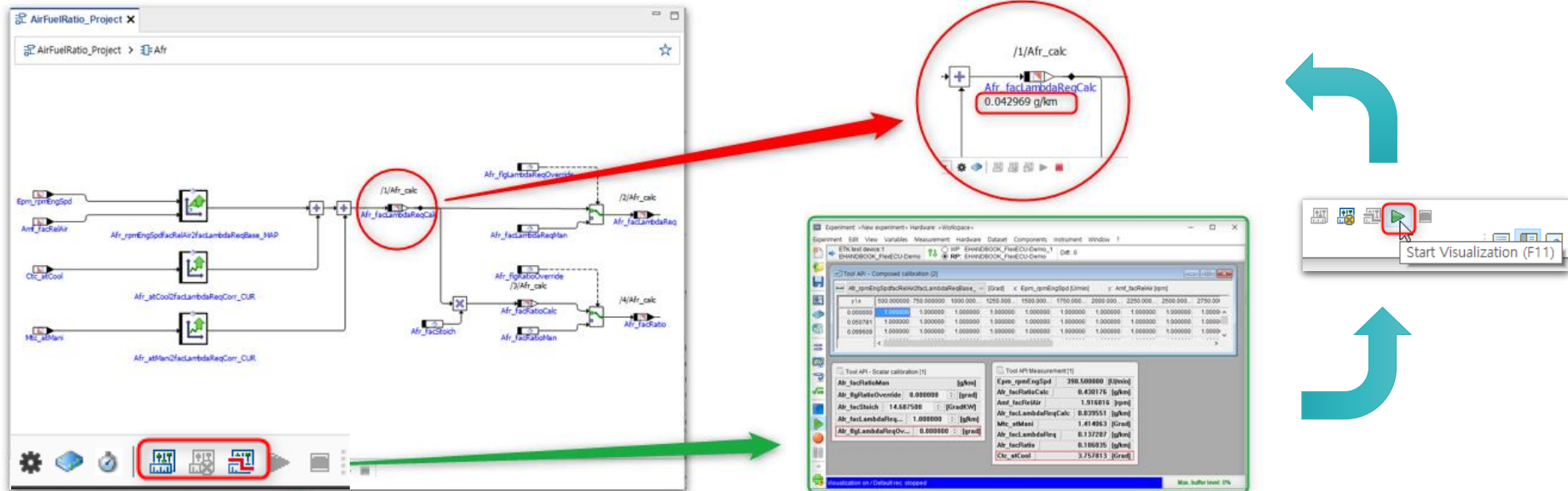
Interoperability with ETAS MDA 8

– The **Connect** feature in MDA 8 connects to a live running instance of EHANDBOOK-NAVIGATOR.

- Loading Documentation from MDA 8
  1. Launch MDA 8 Product and load the measurement file in it.
  2. Add the signals from the file to an oscilloscope.
  3. Click [Connect] button in the toolbar.
 4. "Measurement and Calibration Files" dialog box is displayed in EHANDBOOK for confirmation.

EHANDBOOK-NAVIGATOR
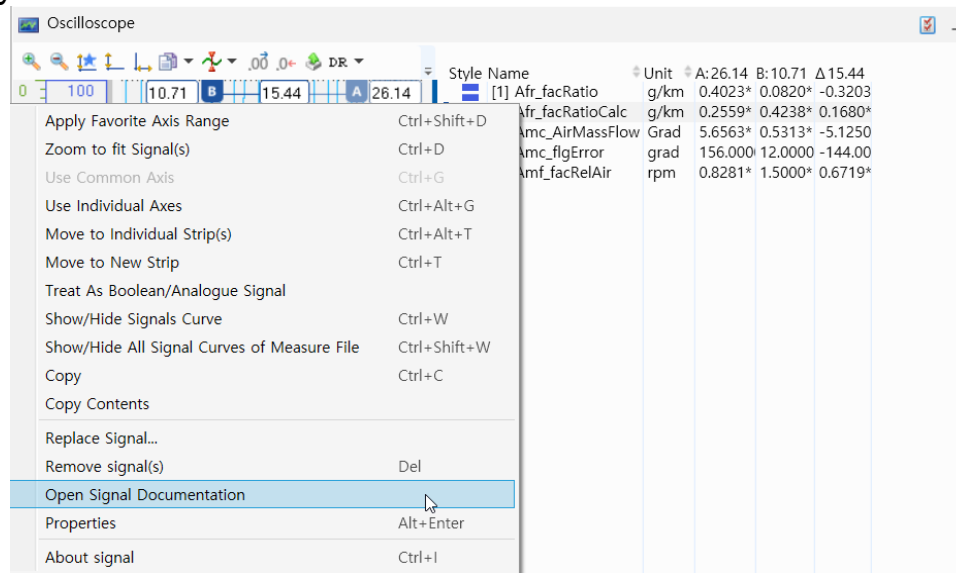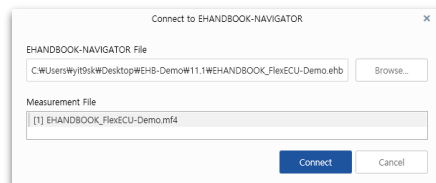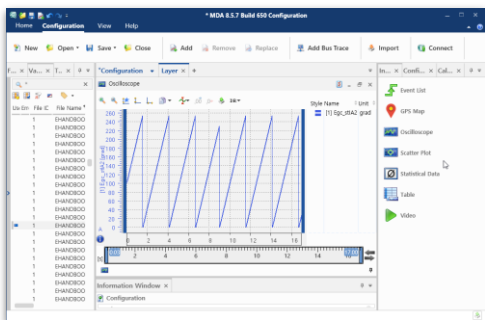
Interoperability with ETAS MDA 8

– Now in MDA 8, you can add the two cursors (Cursor A and Cursor B) for offline measurement.

- Loading the Measurement Data Manually
  1. Click **Show/Hide Cursors** to add the new cursors to the oscilloscope to mark the points in time.
  2. Click **Display all values** to shows the documentation where right side view is the MDA 8 which shows the value over time.
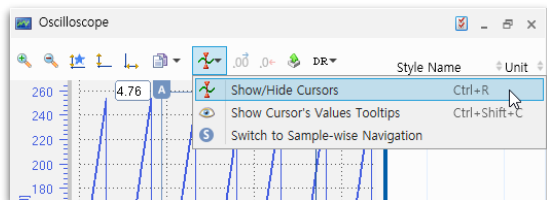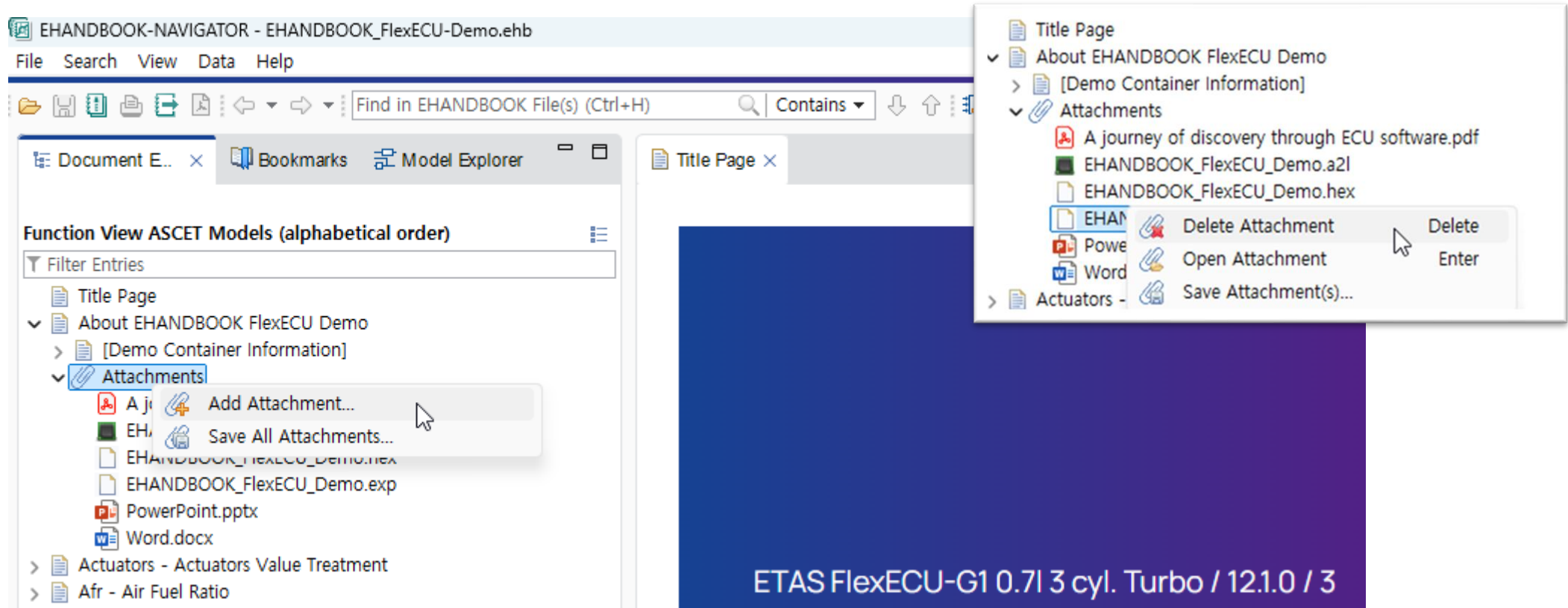

MDA 8

EHANDBOOK View
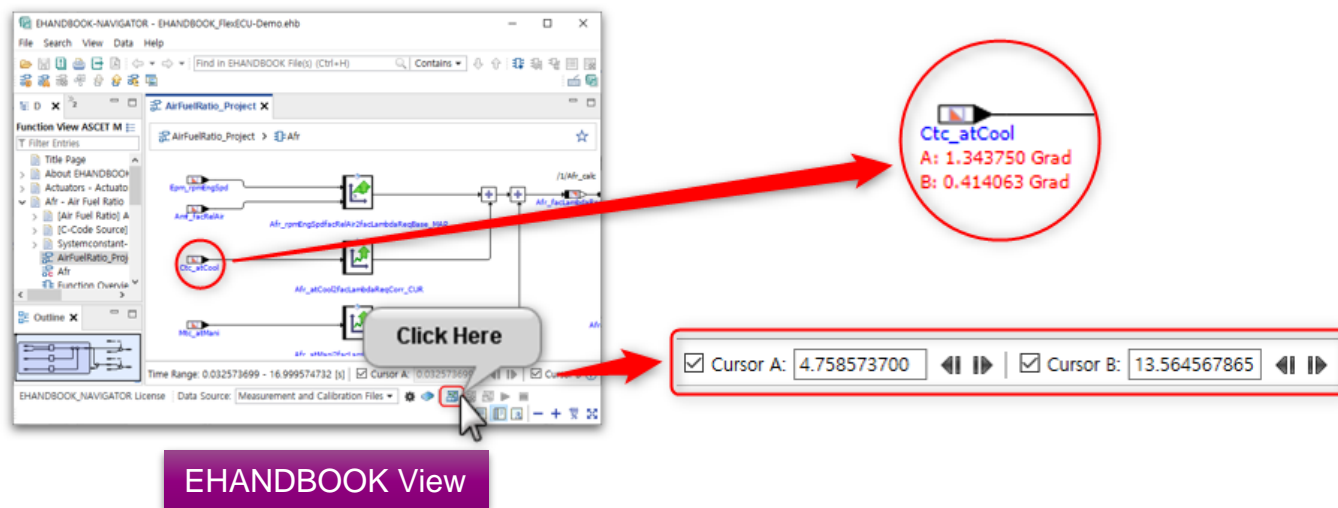
EHANDBOOK-NAVIGATOR

Attachment of Files

– EHANDBOOK-NAV can Add/Delete/Open/Save files in container

EHANDBOOK-NAVIGATOR

CANape interoperability

– Show live measurement values within the interactive model while connected to a CANape.

EHANDBOOK-NAVIGATOR

Keyboard Shortcuts

– Displays all the keyboard shortcut keys provided by the EHANDBOOK-NAVIGATOR.

EHANDBOOK-NAVIGATOR
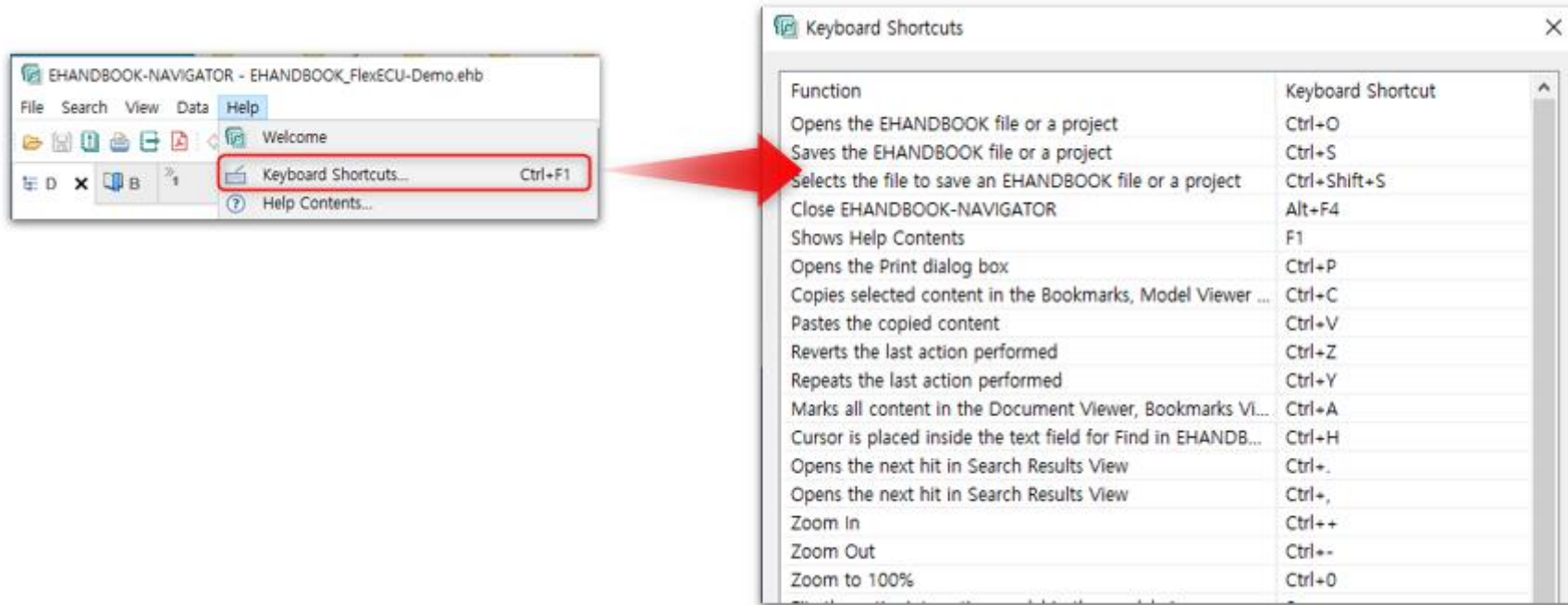
Help Contents

– You can find the contents you need to use by using the **Help Contents**.
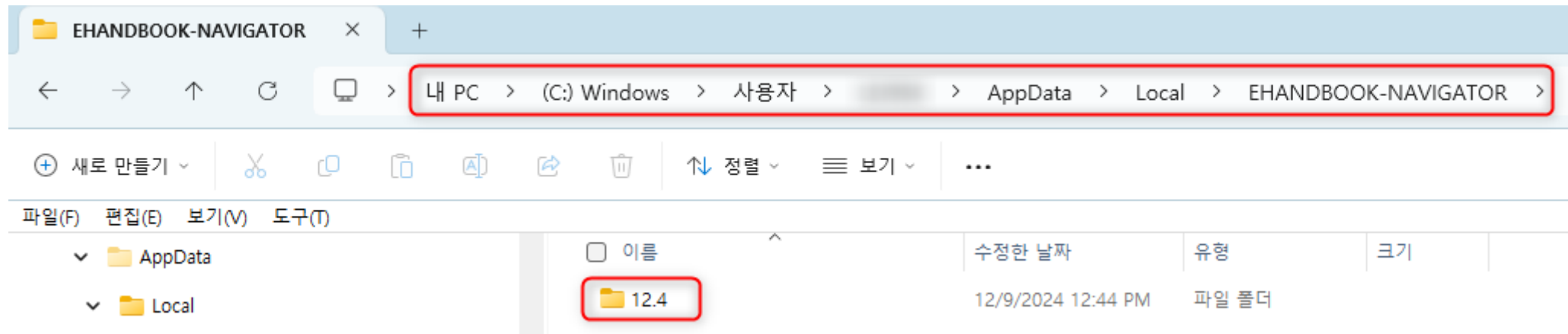
EHANDBOOK-NAVIGATOR
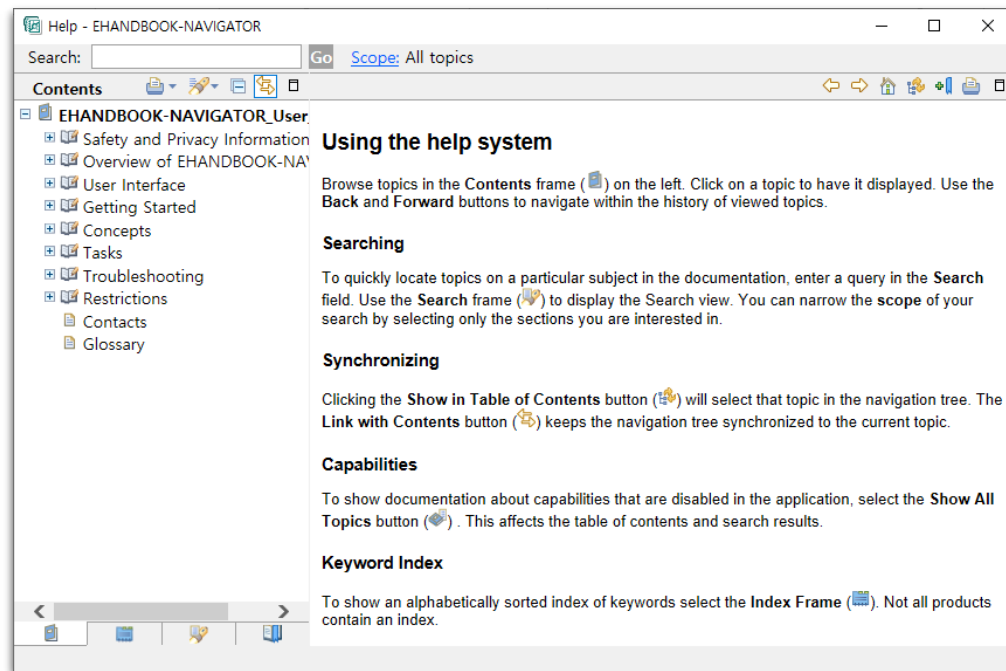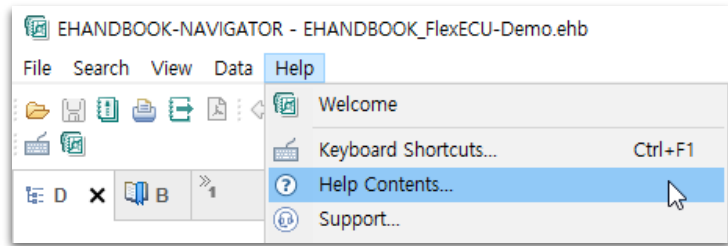
How to fix ERROR

– Users can perform as new installation of EHANDBOOK-NAV by deleting the folder below.
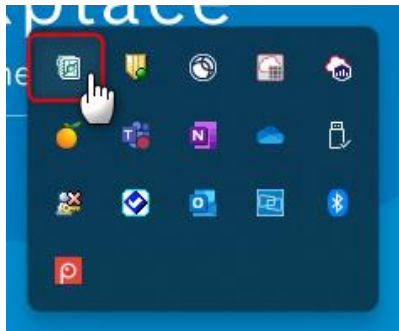
If the icon is on the toolbar before working, close it.

You will see a folder with the version name.

Thank you!