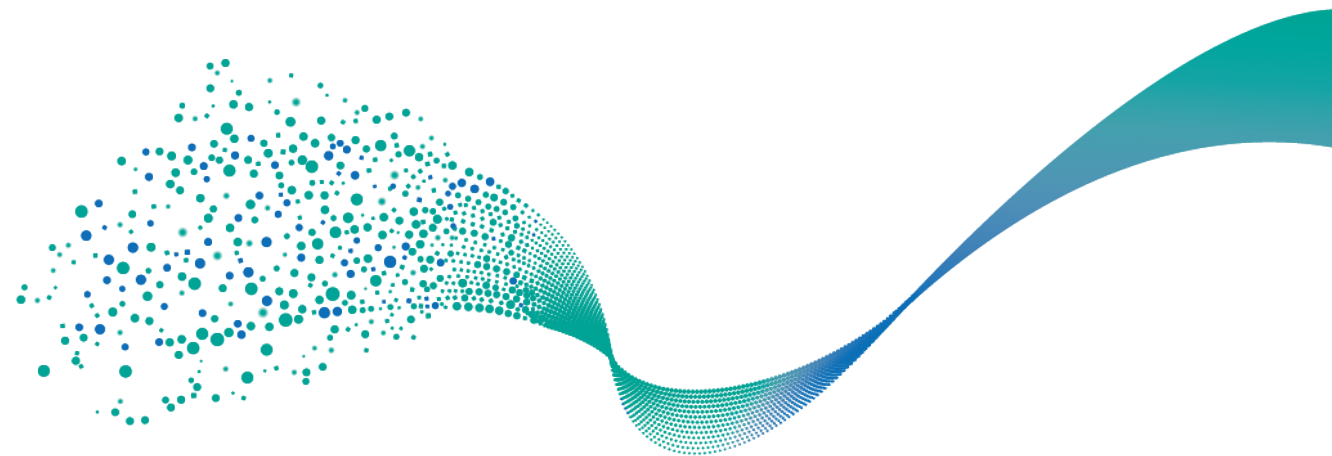


DFM Studio v2.0.2 Release Note

January 2022
Elysium Co. Ltd.



Agenda

1. Release Product
2. Supported OS
3. Key Enhancements
4. Known Issues

1. Release Products

- **DFM Studio Inspector for DFM Studio v2.0.2**
 - Application to view the check result in a list
- **3DxSUITE Viewer for DFM Studio v2.0.2**
 - Application to view the check result in the 3D view
- **ASFALIS SmartLauncher for DFM Studio v2.0.2**
 - Application to execute the check with a client PC
- **ASFALIS TransServer for DFM Studio v2.0.2**
 - Web-based client and server system to manage the job executed by ASFALIS SlaveNode
 - Check result can be shared and used by multiple users
- **ASFALIS SlaveNode for DFM Studio v2.0.2**
 - Application to execute the check with a server PC

2. Supported OS

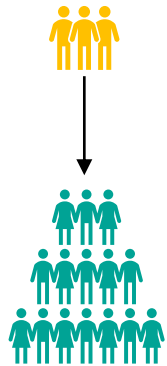
- **DFM Studio Inspector for DFM Studio v2.0.2**
 - Microsoft Windows 10 Pro (x64)
- **3DxSUITE Viewer for DFM Studio v2.0.2**
 - Microsoft Windows 10 Pro (x64)
- **ASFALIS SmartLauncher for DFM Studio v2.0.2**
 - Microsoft Windows 10 Pro (x64)
- **ASFALIS TransServer for DFM Studio v2.0.2**
 - Microsoft Windows Server 2012 RTM
 - Microsoft Windows Server 2012 R2 RTM
 - Microsoft Windows Server 2016
- **ASFALIS SlaveNode for DFM Studio v2.0.2**
 - Microsoft Windows 10 Pro (x64)

*: Refer to each installation guide for system requirement details

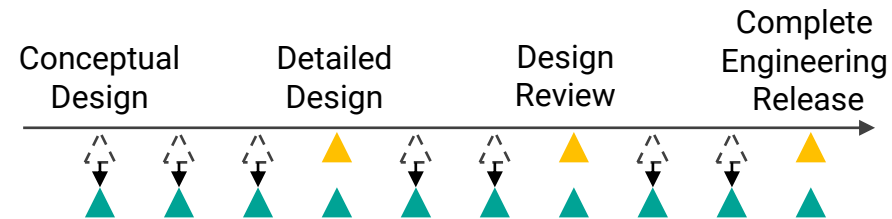
3. Enhancement Concept: Wider Usage for More Users and More Scenarios

- v2.x realizes a richer DFM check environment and minimizes the cost for checking and inspection to aim for wider usage among all users in many scenarios

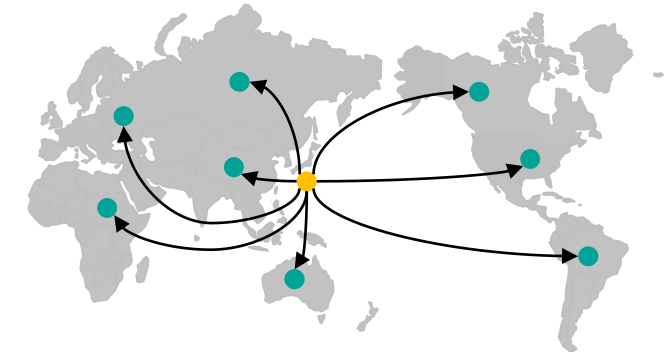
More Users



More Scenarios



More Sites



3. Key Enhancements (2-1)

A) Wider Checking Environments

- a. Added SOLIDWORKS Connector
- b. Added Support for On-memory Scenario Execution

B) Performance Improvement

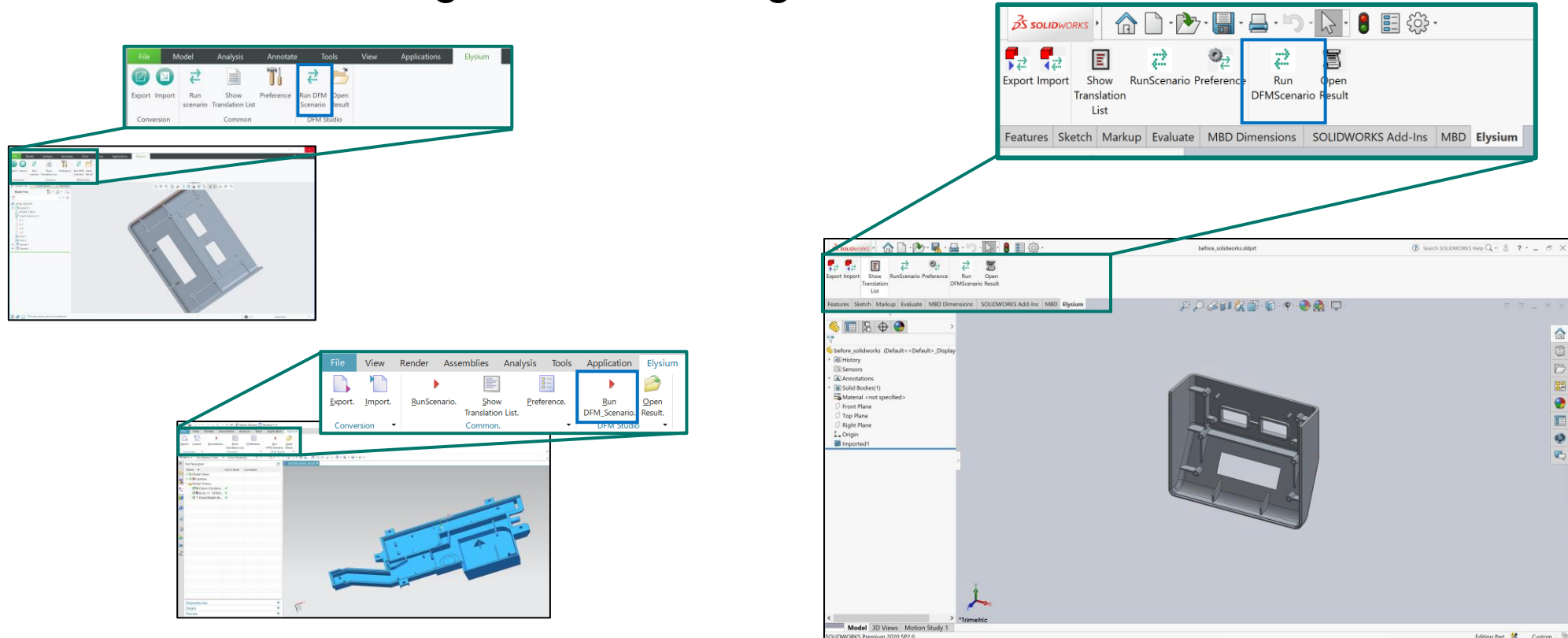
- a. Shorten Check Execution Time
- b. Shorten Check Result File Save Time
- c. Faster List View
- d. Faster 3D Model Highlight View
- e. Check Result File Size Reduction

3. Key Enhancements (2-2)

- C) Improving User Experience
 - N/A
- D) Addition or Improvement of Check Content
 - N/A
- E) Other Enhancements and Bug Fixes

Added SOLIDWORKS Connector

- In addition to Creo and NX, the newest release supports on-demand usage of SOLIDWORKS during CAD modeling

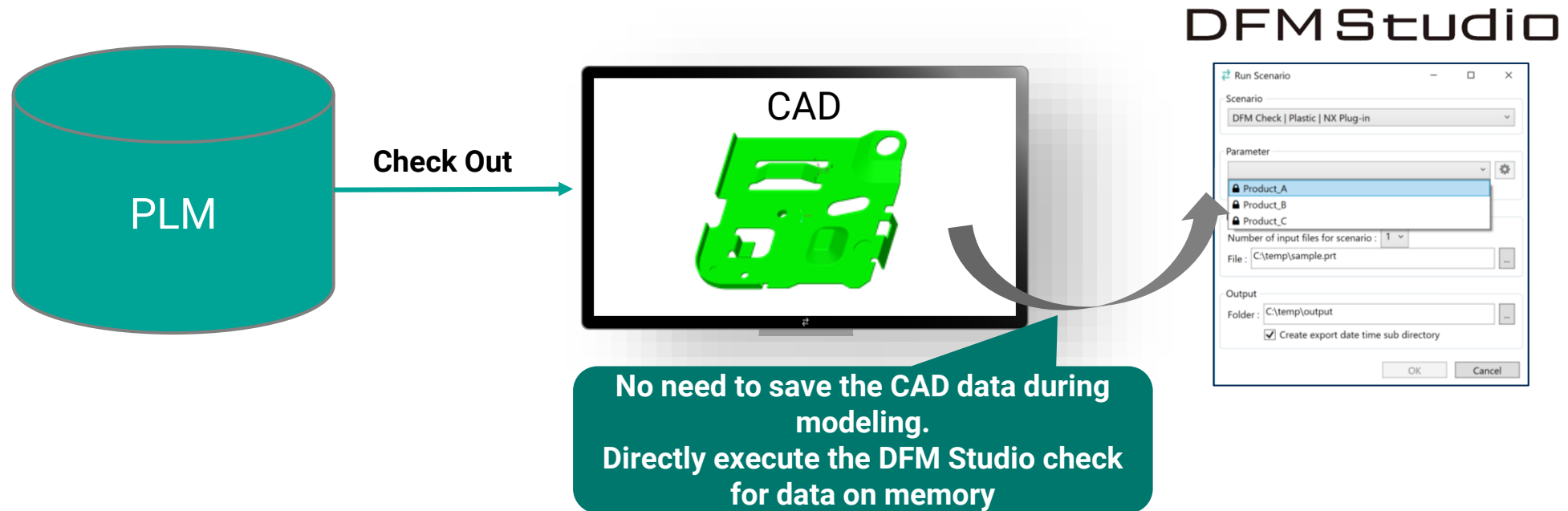


*: CAD to ENF (ENF Exporter) translation license is required to use this functionality

***: Refer to "ASFALIS_SmartLauncher_Supported_CAD_Versions_en.pdf" for supported CAD versions

Added Support for On-memory Scenario Execution

- Enhanced so that the CAD data on-memory can be used for the check execution
 - ✓ No need to save the data before the check
 - ✓ Execute the check from a CAD system connected to PLMs such as Windchill or Teamcenter



Improving Performance for Various DFM Studio Checking Process

<u>Target</u>	<u>Speed up rate (against v1.5)</u>
Check execution	18%
Check result save	73%
List view	87%
3D model highlight	30%

<u>Target</u>	<u>Reduction rate (against v1.5.x)</u>
File size	42%

*: Calculated based on Elysium internal testing

Improvements and Bug Fixes

1. Plastic Requirement Check

- ✓ Enhanced to show the “FAR Version” in the Property list.
- ✓ Added “Check Criterion Overview” to the Property list within each check item.
- ✓ Fixed an issue that the “CheckStdThicknessRatio.Flag” parameter of [1.1 Wall Thickness] was not working.
- ✓ Fixed an issue that the rib recognition processing time was too long in some cases.

2. Sheet Metal Requirement Check

- ✓ Enhanced to show the “FAR Version” in the Property list.
- ✓ Added “Check Criterion Overview” to the Property list within each check item.
- ✓ Added “Max. burring height tol” and “Max. drawing height tol” to the Sheet Metal common parameters.
- ✓ Enhanced to show “-” in the criterion property when the value matching the diameter does not exist in the specified parameter for [3.1 Burring diameter and height] and [6.1 Dowel outer diameter and height] items.

3. Inspector

- ✓ Enhanced to enable opening the FAR file by double-click.
- ✓ Enhanced to enable sorting in the ID order in the “Name” column.
- ✓ Added “None (Don’t assign a command)” to [Assign a View Command].

4. Model Viewer

- ✓ Fixed an issue that the model would disappear out of view when performing a panning operation during section view.
- ✓ Fixed an issue that the view would fail when regenerating the view after selecting and highlighting all check results.
- ✓ Fixed an issue that the capture could be corrupted when the auto-capture is generated

*: Refer to Check Criteria Guide (For Sheet Metal Model) “DFM_Studio_CheckItem_Guide_SheetMetal_ja.pdf” for the new parameter specifications

4. Known Issues

- ASFALIS SmartLauncher
 - ✓ Inspector and Model Viewer may not close when closing CAD within CAD Connector.

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