Archicad for CORENET X: Fast-Track your BIM Submission

Vimal Kumar Thangasamy Manager, Customer Success



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Agenda



> CORENET X & IFC-SG with Archicad & Solibri

> CORENET X workflow with Archicad

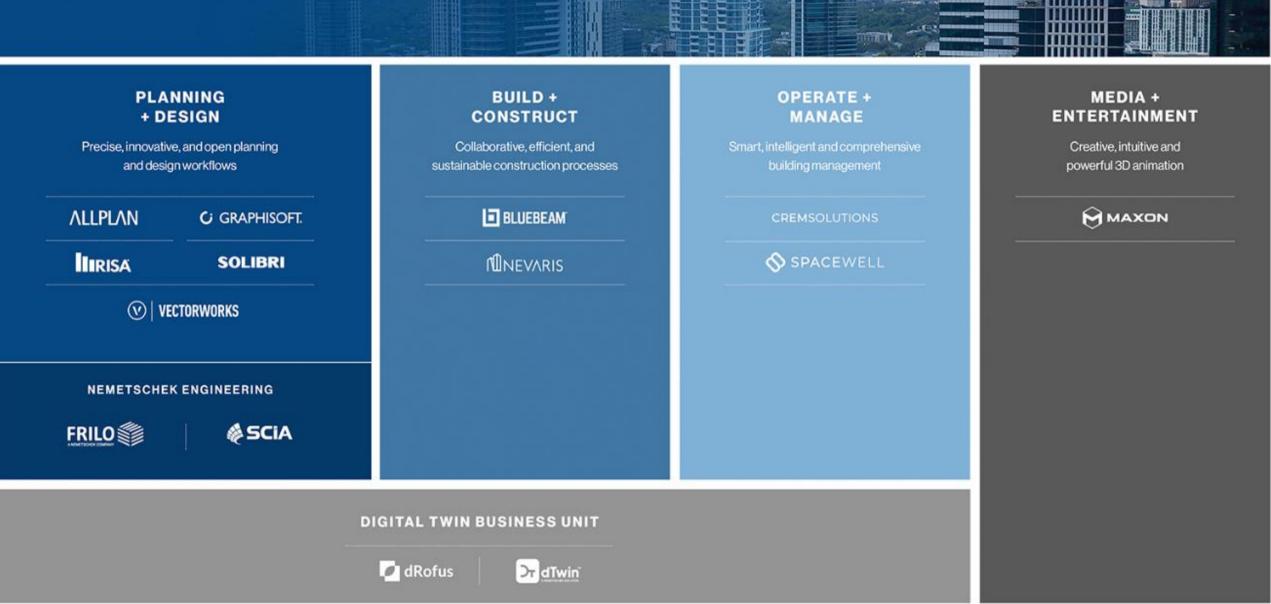
> IFC-SG Toolkit for Archicad – Template & Add-ons

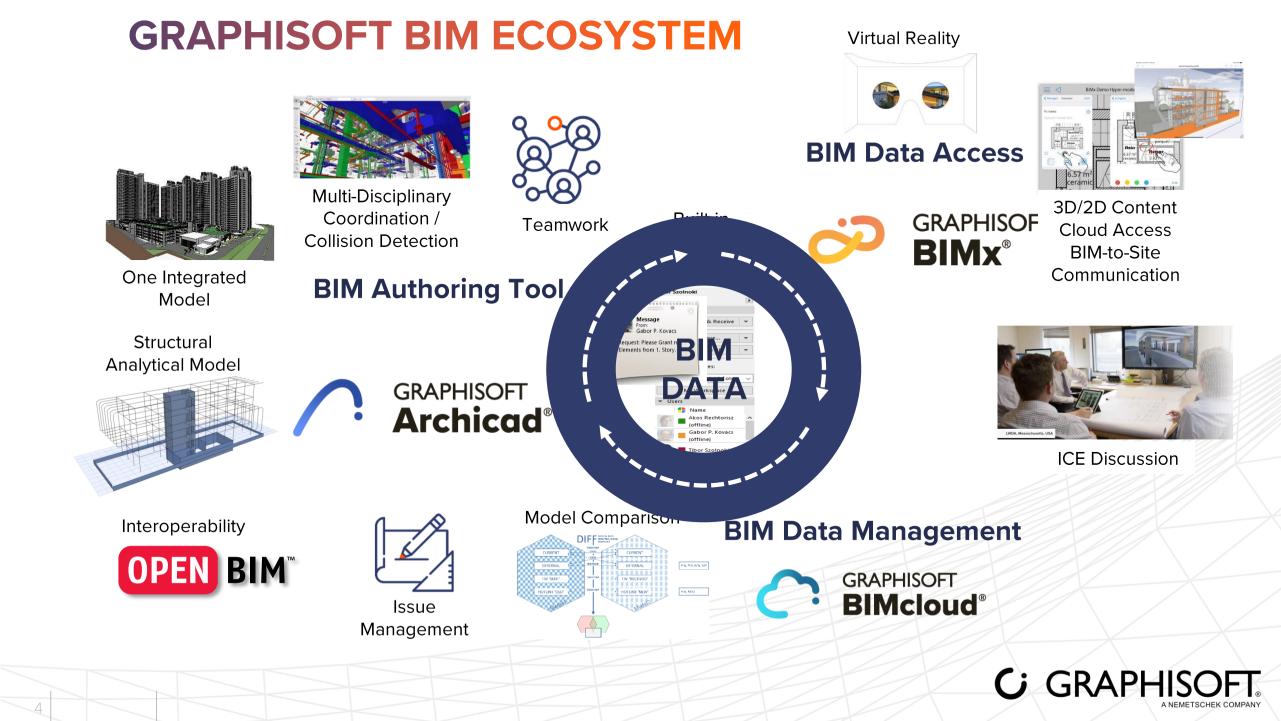
> Coordination & Collaboration with Archicad

> Solibri for IFC-SG Validation



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CORENET X & IFC-SG with Archicad & Solibri



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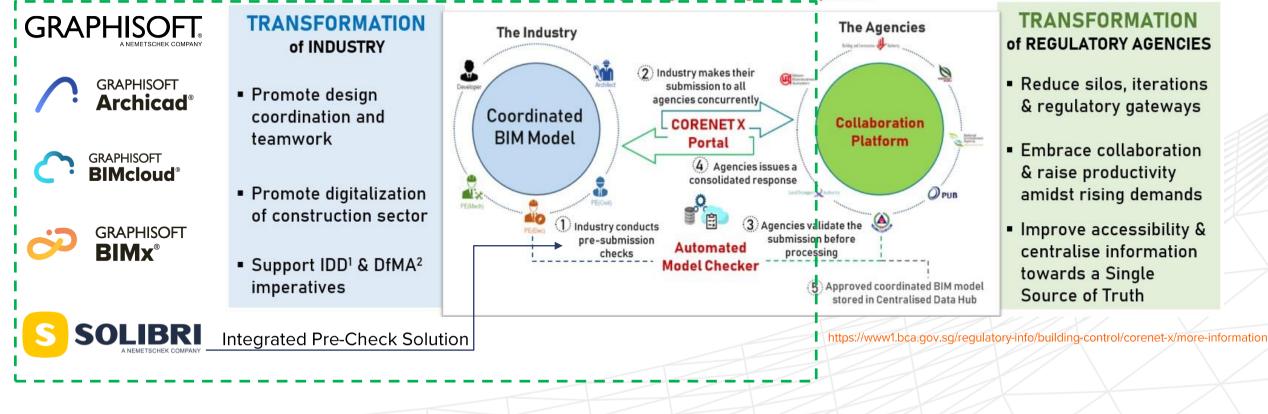
CORENET X

The CORENET X project was initiated in 2018 with the objective to leverage technologies such as Building Information Modelling (BIM) and automation, to transform the regulatory approval process for building works. CORENET X is conceived as the future ecosystem of regulatory approvals, redefining Government to Business interactions as a One Stop Integrated Digital Shopfront. It adopts the agile approach and is targeted to be rolled out from end 2023.

BIM Readiness

11/14/2023

FIRST IN THE WORLD One-Stop Integrated Digital Shopfront



*IDD and openBIM format, IFC-SG

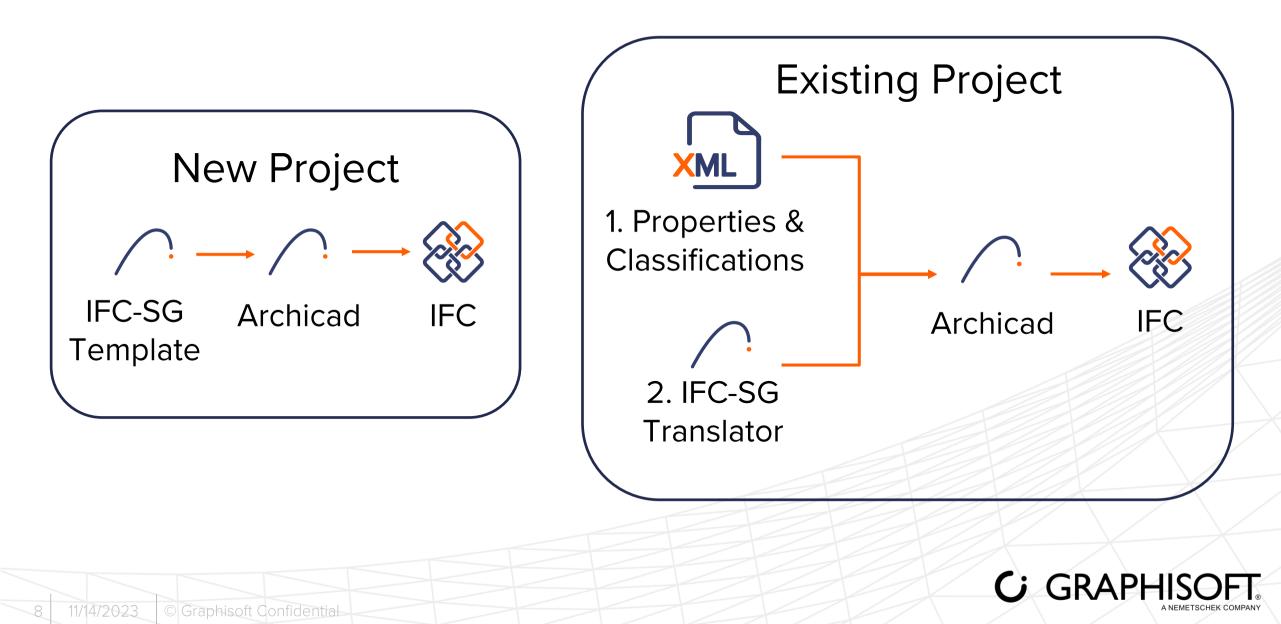
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CORENET X Workflow with Archicad



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CORENET X Workflow in Archicad



Workflow





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Initialization

INTIALIZATION

COMPLYING WITH IFC SG

MODEL CHECKING

EXPORTING

USING IFC-SG TEMPLATE

Starting a new project with IFC SG template from IFC-SG resource kit

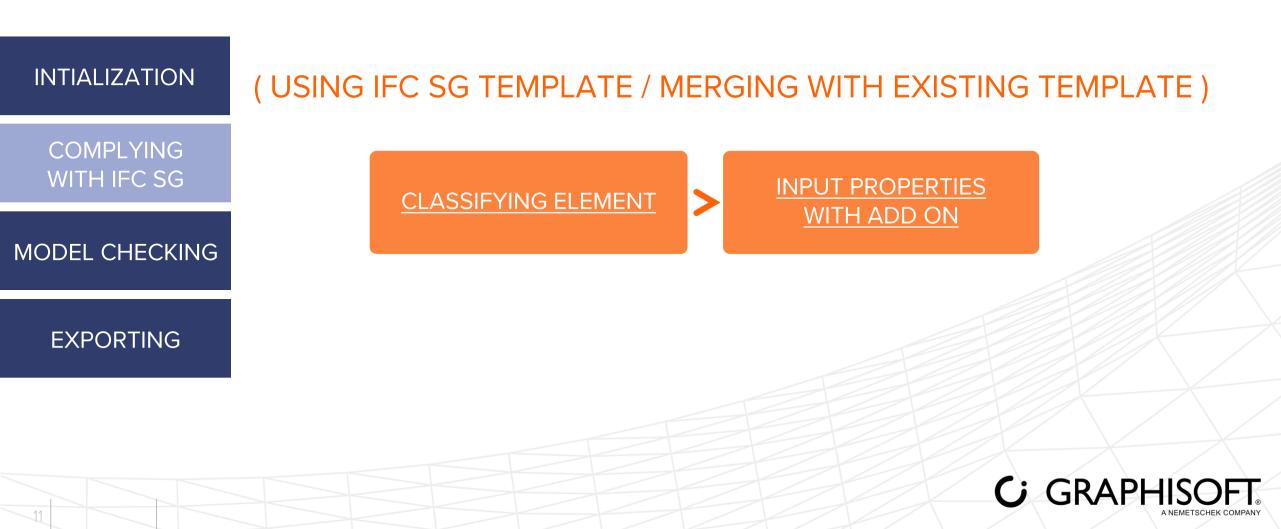
Z MERGING WITH EXISTING TEMPLATE

Incorporating ongoing project with IFC-SG requirements by

importing IFC-SG Classification & Properties and IFC SG Export Translator



Complying with IFC-SG



Complying with IFC-SG (USING IFC SG TEMPLATE / MERGING WITH EXISTING TEMPLATE)

INTIALIZATION

COMPLYING WITH IFC SG

MODEL CHECKING

EXPORTING

CLASSIFYING ELEMENT

Classification is the key.

Classification allows the appropriate properties and type mapping to be done

Archicad Tools are versatile.

One Tool can be used to create unique building elements required with ease





Complying with IFC-SG (USING IFC SG TEMPLATE / MERGING WITH EXISTING TEMPLATE)

INTIALIZATION

COMPLYING WITH IFC SG

MODEL CHECKING

EXPORTING

CLASSIFYING ELEMENT

Classification is the key.

Use of Tool Favourites to classify elements / input necessary metadata

Use of Marquee Tool to pick up elements easily. Alternatively, use Find & Select



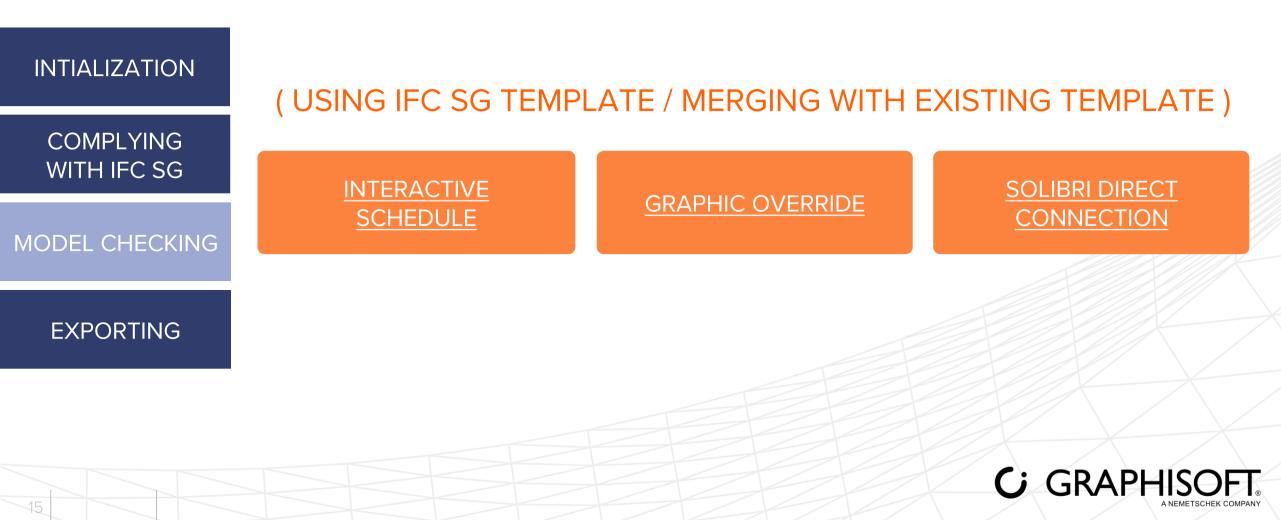


Complying with IFC-SG (USING IFC SG TEMPLATE / MERGING WITH EXISTING TEMPLATE)



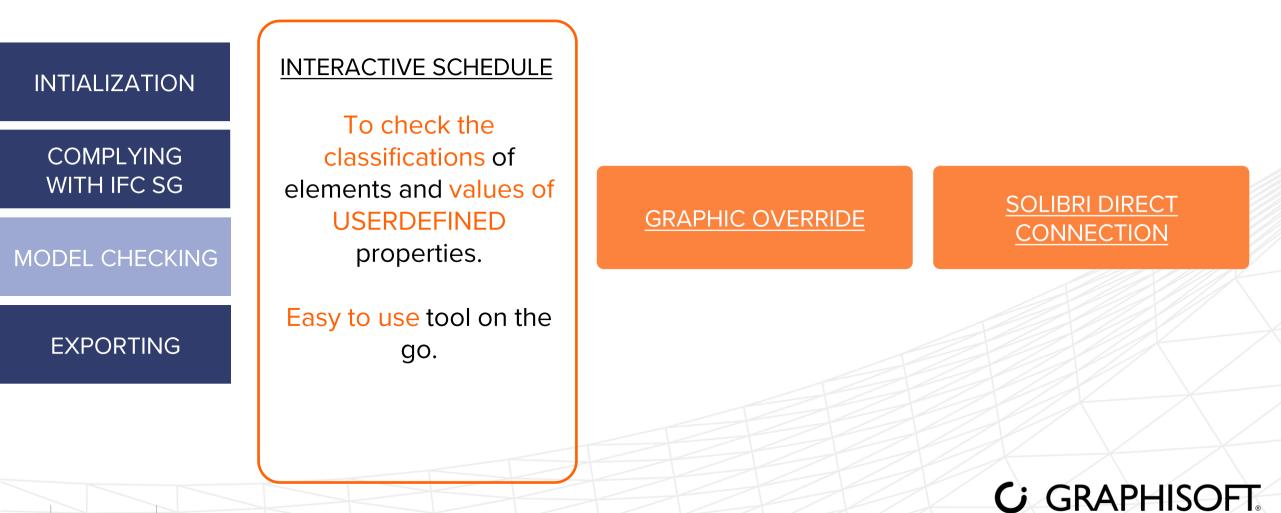


Model Checking



Model Checking

(USING IFC SG TEMPLATE / MERGING WITH EXISTING TEMPLATE)



Model Checking (INTERACTIVE SCHEDULES)

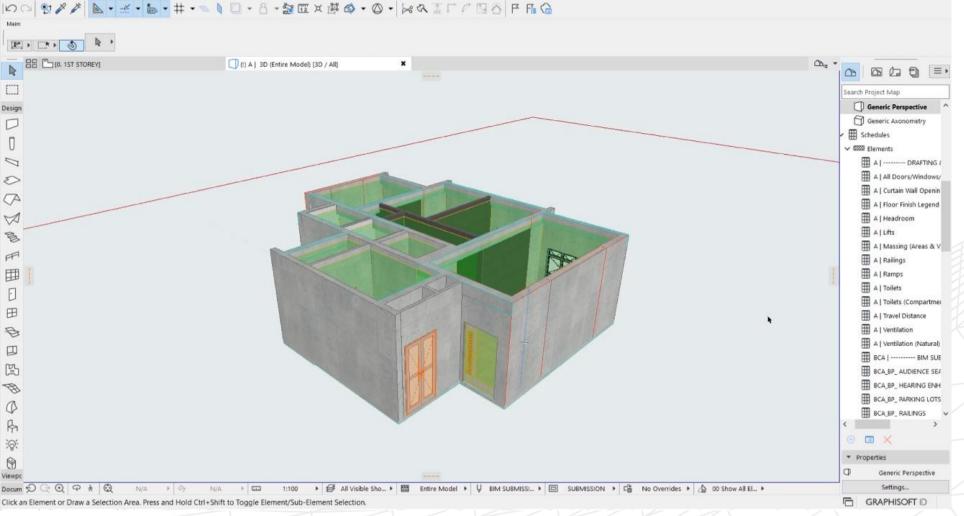
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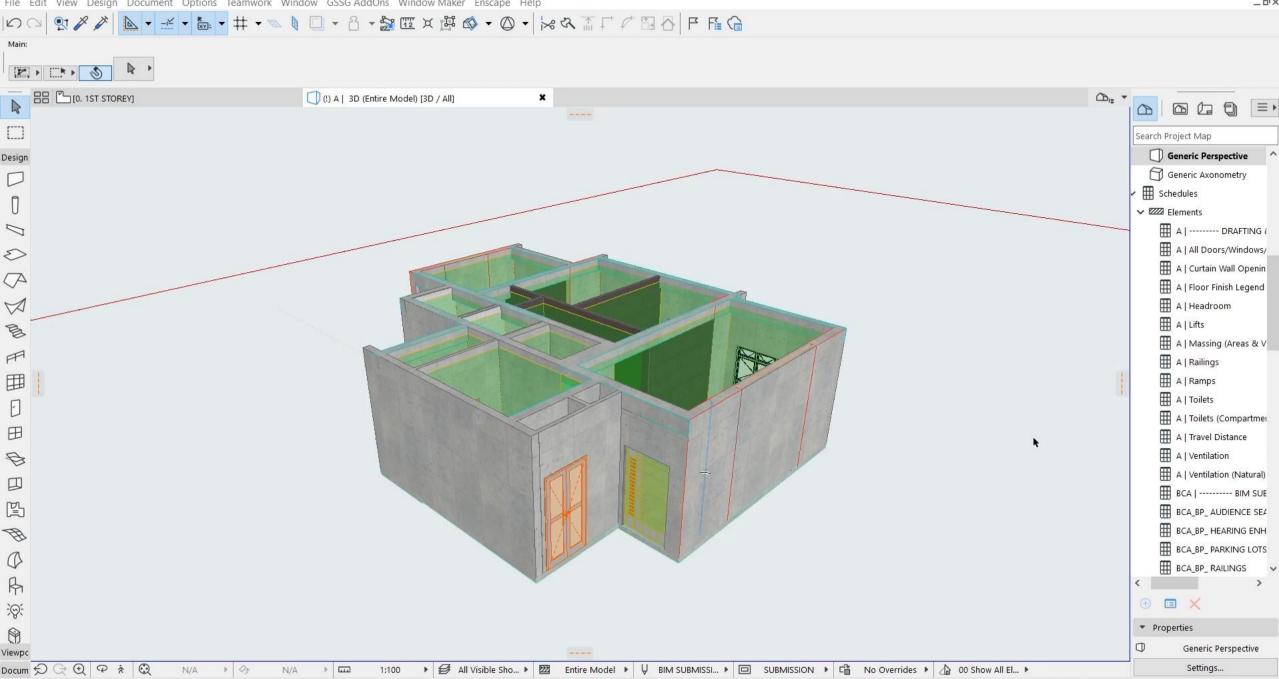
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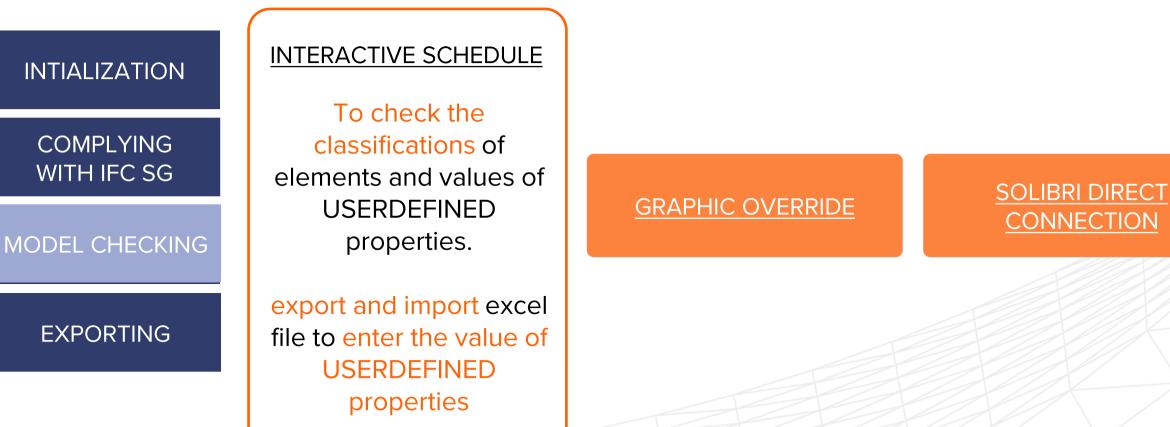
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Model Checking

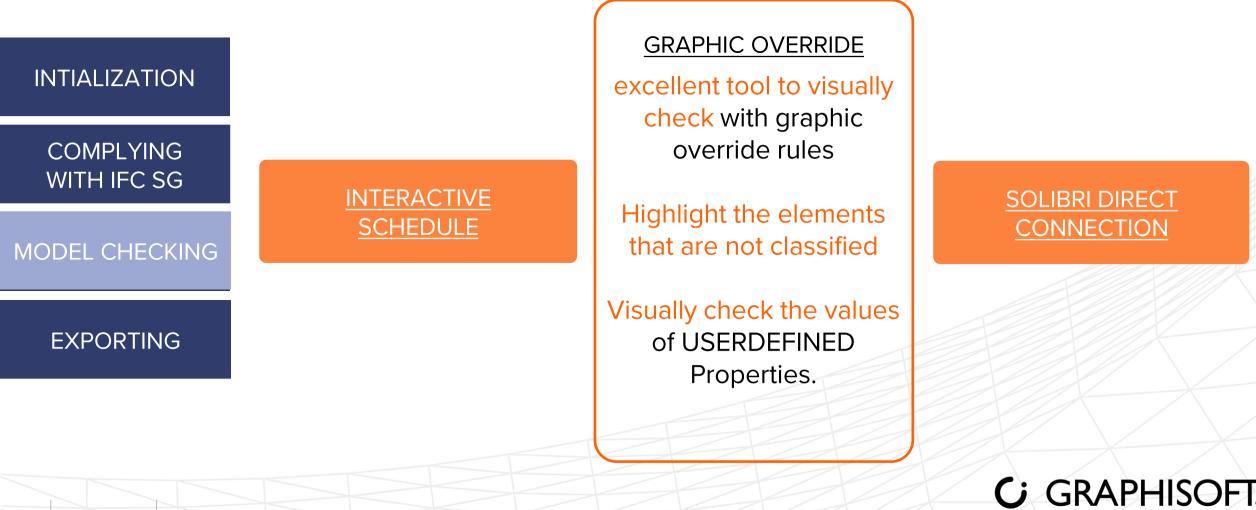
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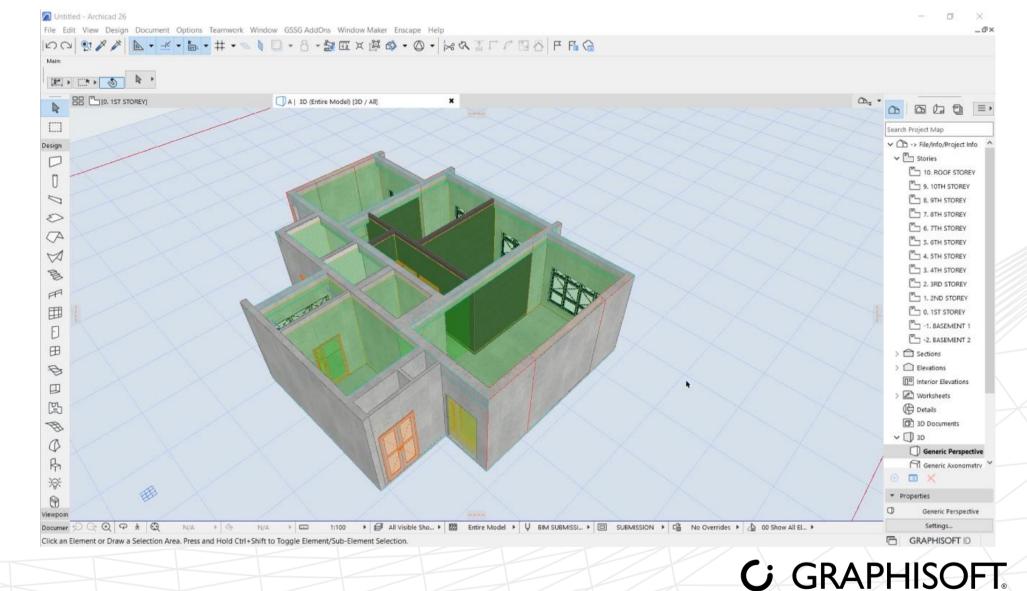


Model Checking

(USING IFC SG TEMPLATE / MERGING WITH EXISTING TEMPLATE)



Model Checking (GRAPHIC OVERRIDE)



INTIALIZATION

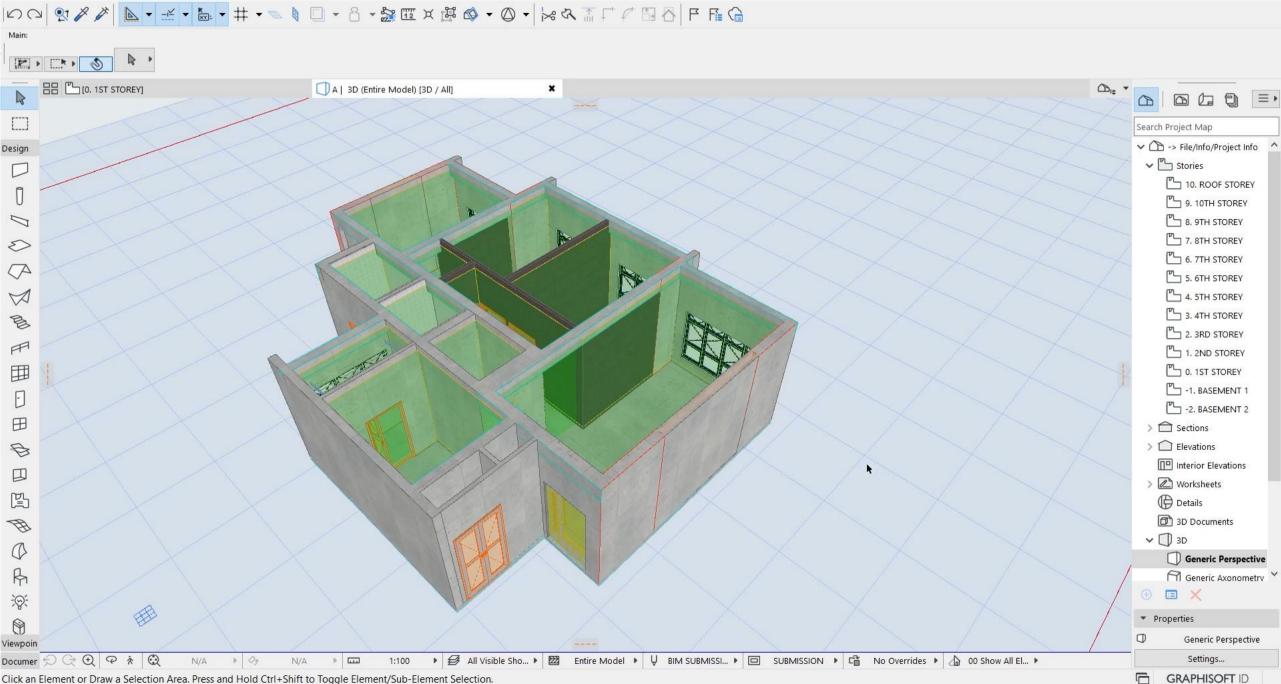
COMPLYING WITH IFC SG

MODEL CHECKING

EXPORTING

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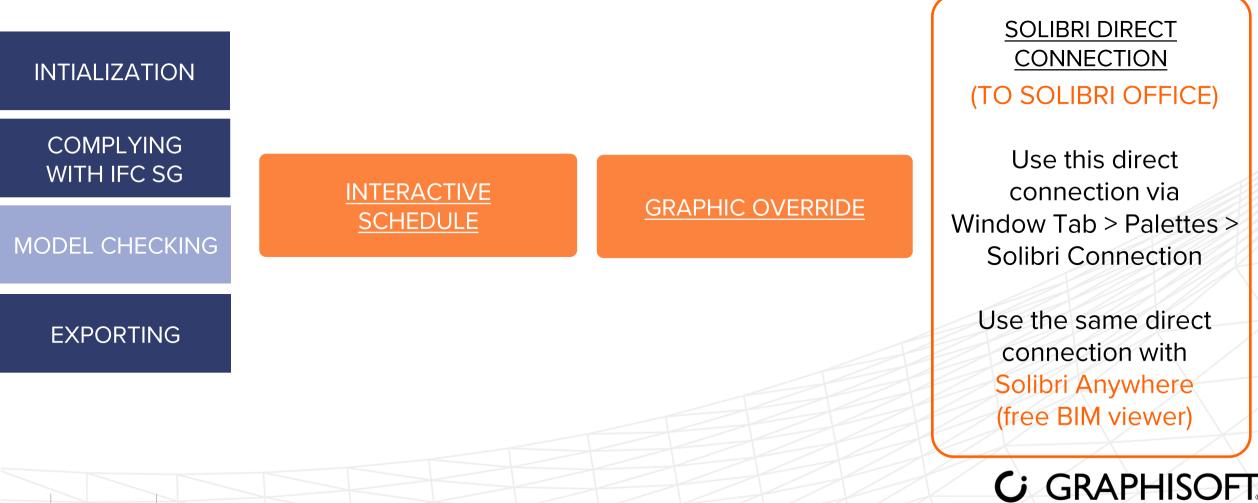
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Model Checking

(USING IFC SG TEMPLATE / MERGING WITH EXISTING TEMPLATE)



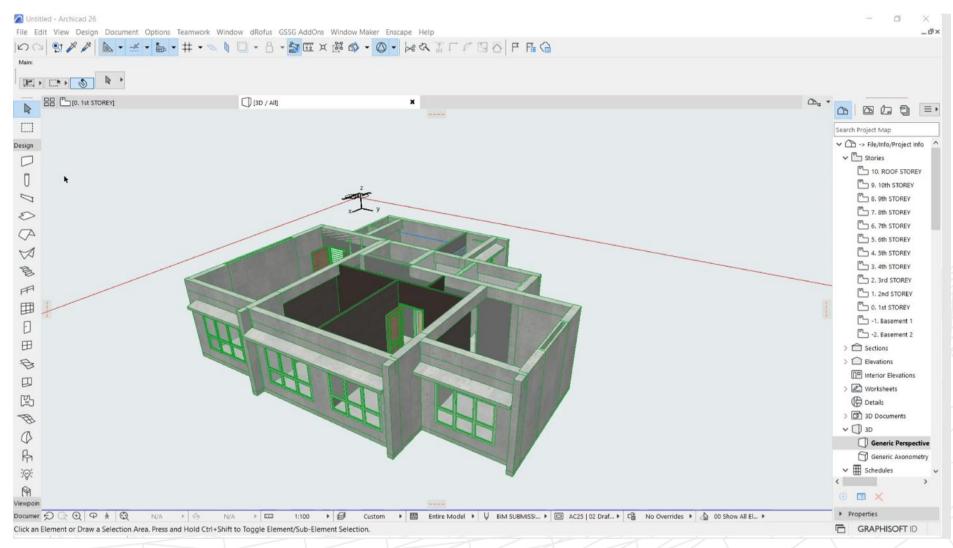
Exporting

INTIALIZATION

COMPLYING WITH IFC SG

MODEL CHECKING

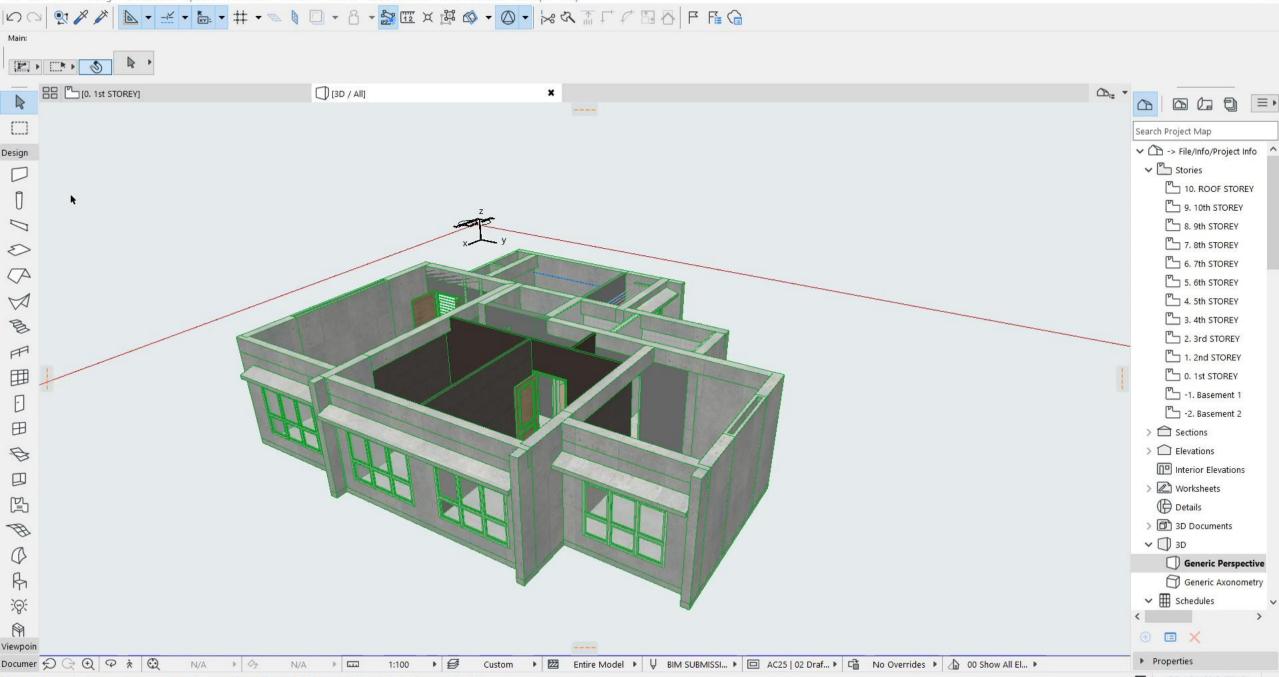






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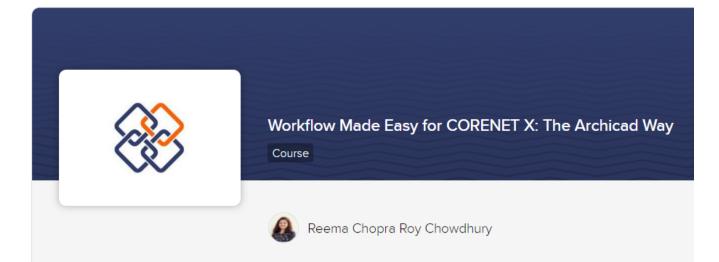
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Workflow (Using IFC-SG template / Merging with existing template)

INTIALIZATION		1Start Project with IFC SG Template/ Classification & Properties & Export Translator
COMPLYING WITH IFC SG	—	2 Classifying Elements and Properties Data Input
MODEL CHECKING		Use Interactive Schedule and Graphic Override / Solibri Model Checker
EXPORTING	-	4 Exporting (Save As) / Publishing
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Archicad IFC-SG Workflow



About Modules

- Format: Webinar recording
- Level: beginner/intermediate/advanced
- Duration: 1 hour

Topics covered:

- ►CORENETX, OpenBIM, IFC
- ►IFC-SG Overview
- ►IFC-SG ; The Archicad Way
- ►CORENETX and One Integrated Model
- ▶Graphisoft with you!
- Archicad IFC-SG Toolkit



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IFC-SG Toolkit for Archicad – Template & Add-ons



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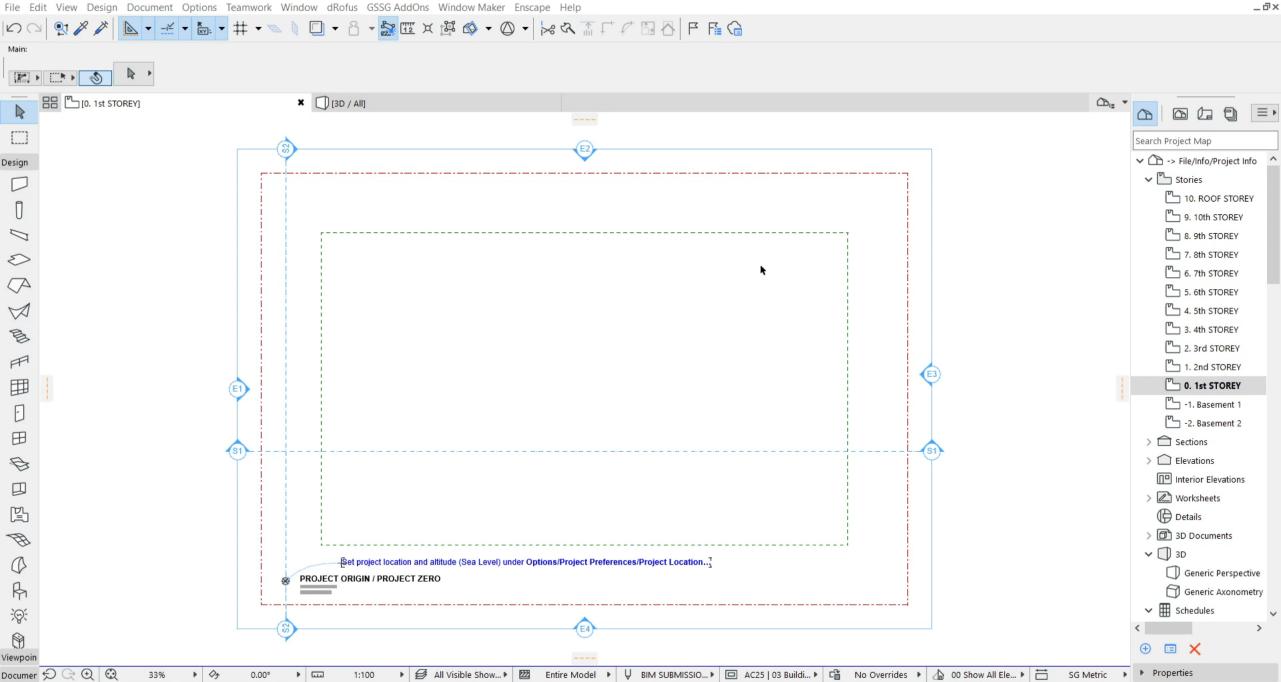
Archicad IFC-SG Templates

- > Updated to latest IFC Mapping requirements
 - + Config Files
 - + Translators
 - + IFC SG Templates for all three disciplines

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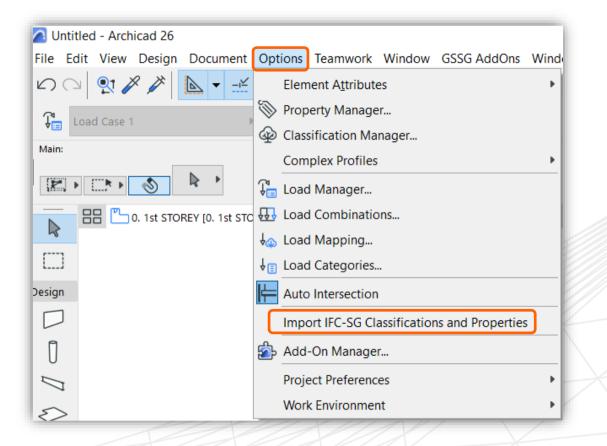
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Archicad Add-on

> How to Install

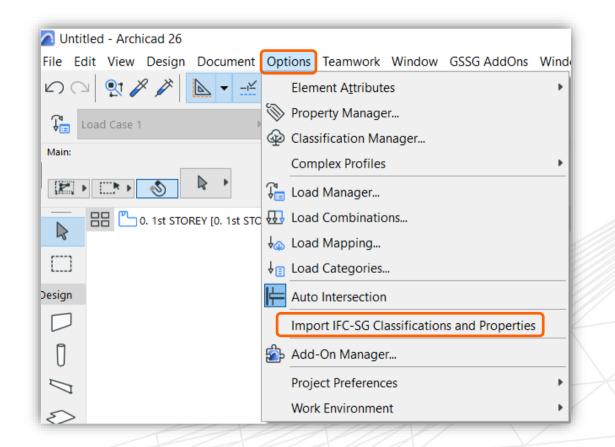
- + Quit all running instances of Archicad
- Go to your Archicad application folder with the correct version (GRAPHISOFT/ARCHICAD <version>) then place the unzipped folders or the .APX files into the "Add-Ons" folder.
- + Start Archicad





Archicad Add-on

- > What does this Add-on do?
 - + Simplify the process of importing config files.
 - + Clean up the redundant
 "SGPset_" properties and property groups.
 - Imports in the latest
 Classifications and Properties
 with just few clicks





+ Retain the Model Information.*

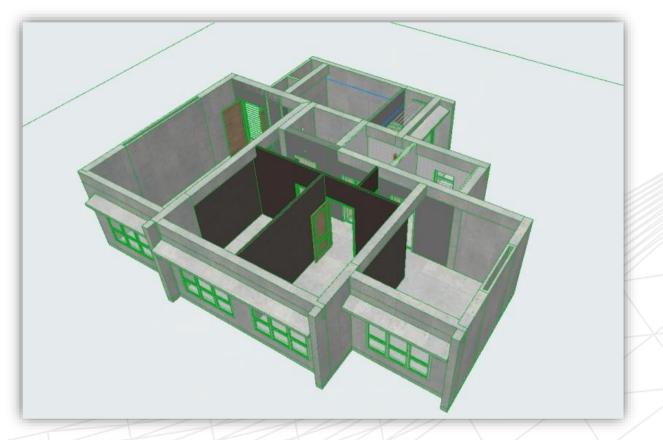
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Coordination & Collaboration with Archicad

Archicad for Coordination

- Archicad can be used to federate multiple IFC models for coordination.
- > Perform Model Compare between different versions of IFC models.
- > Perform Collision Detection.
- > Perform Visual Checking.





> Perform Issue Management.

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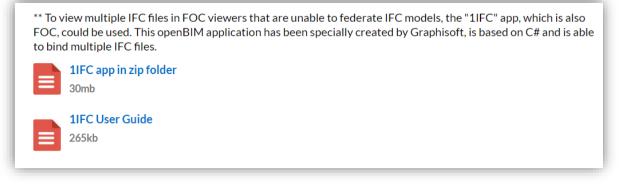
Solibri for IFC-SG Evaluation



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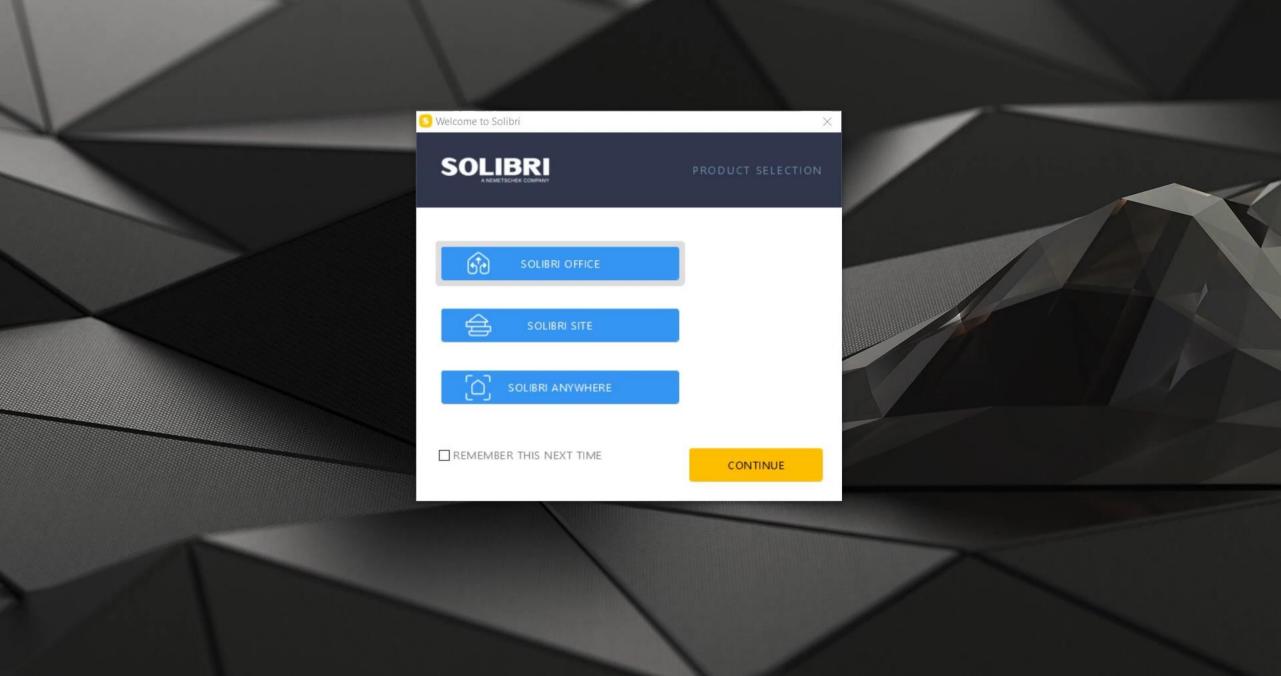
Solibri Anywhere

- > Free viewer for IFC files
- > IFC systems can be viewed.
- Search Query helps to search model elements.
- Displays Grid elements from IFC files.



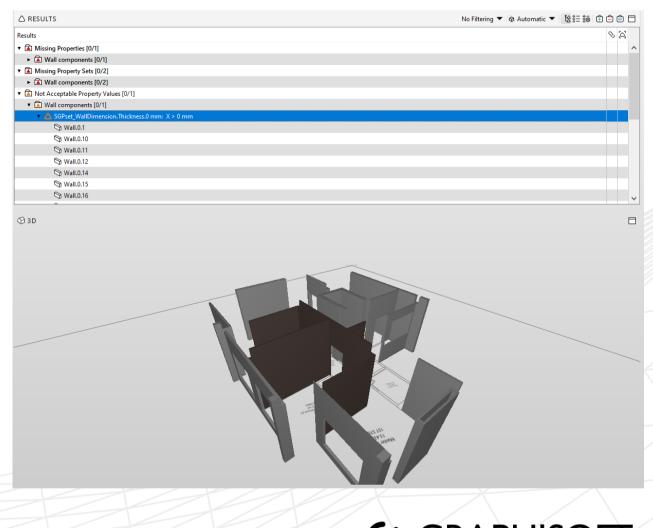






Solibri Office

- Solibri is an IFC based tool for Model Checking.
- Archicad-Solibri Direct Connection Add-on enables the comprehensive model checking.
- Rulesets in Solibri are highly parametric to check for complex criteria.





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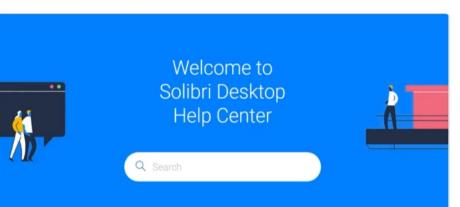
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Welcome to Solibri Office



Got questions?

Want to learn more about using the software? Go to our Online Help Center to learn more about doing model checking, classifications, Information takeoff, and more.

Go to Help Center

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