



openBIM Workflows at Autodesk



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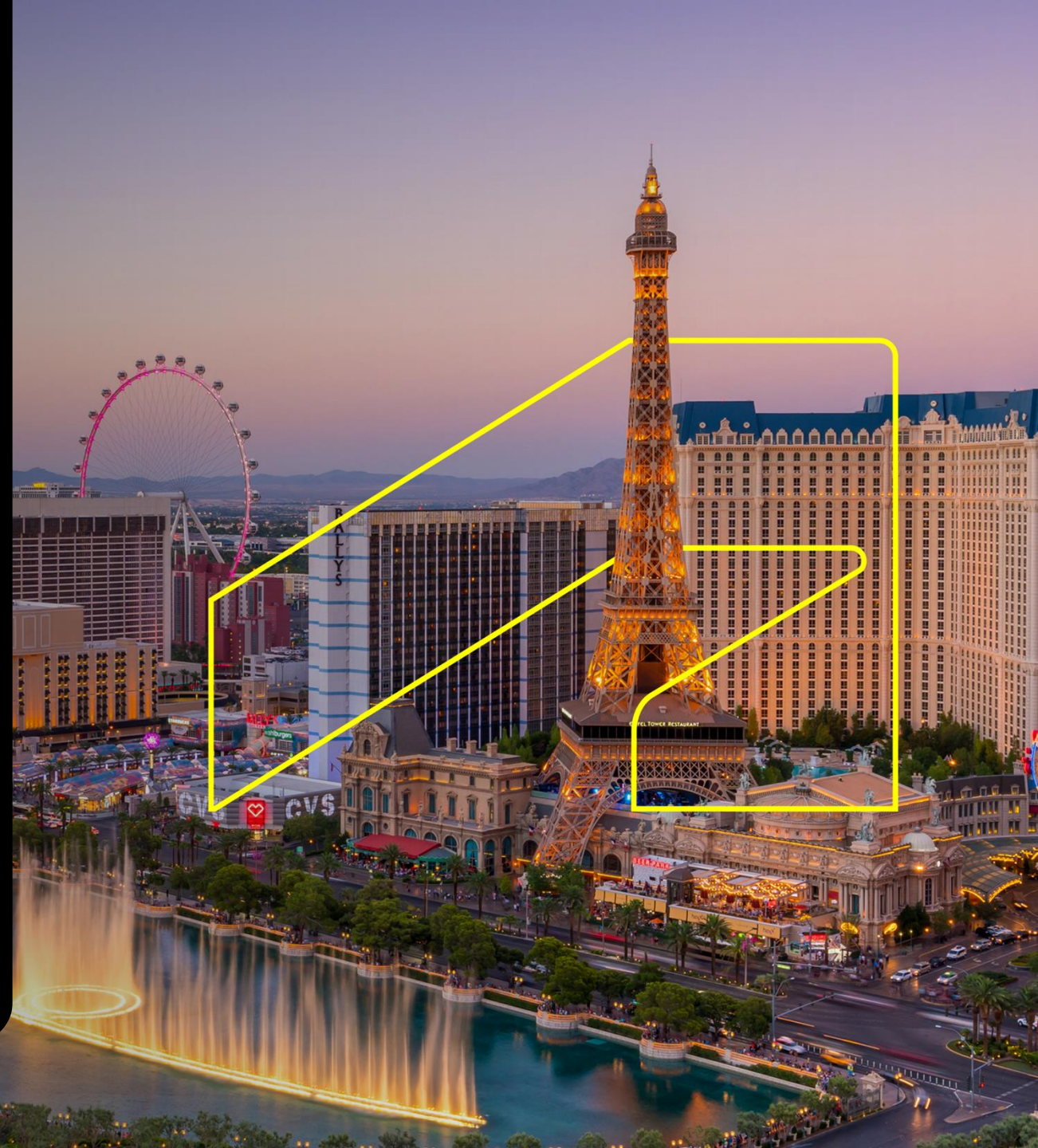
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 AUTODESK

AU 2026

THE DESIGN & MAKE CONFERENCE

September 15–17 | Las Vegas | In person & digital



Why attend AU 2026?

01

Connect with a global audience of 12,000+ professionals in Las Vegas

02

Explore what's next across the design and make industries

03

Gain expertise across AI in action, intelligent data, and integrated workflows

04

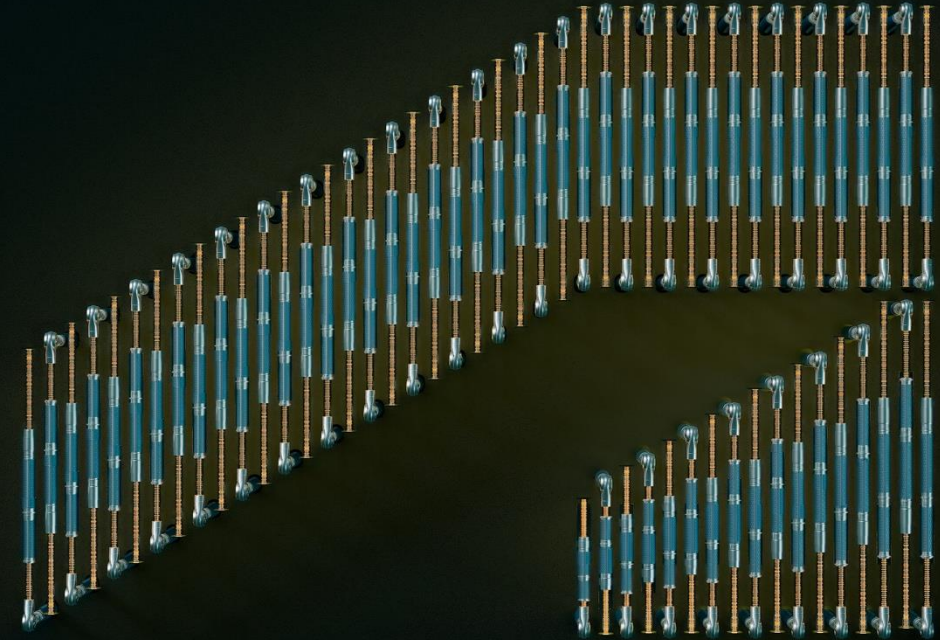
Attend 500+ sessions designed for you

05

Grow your professional reputation and expand your skillset

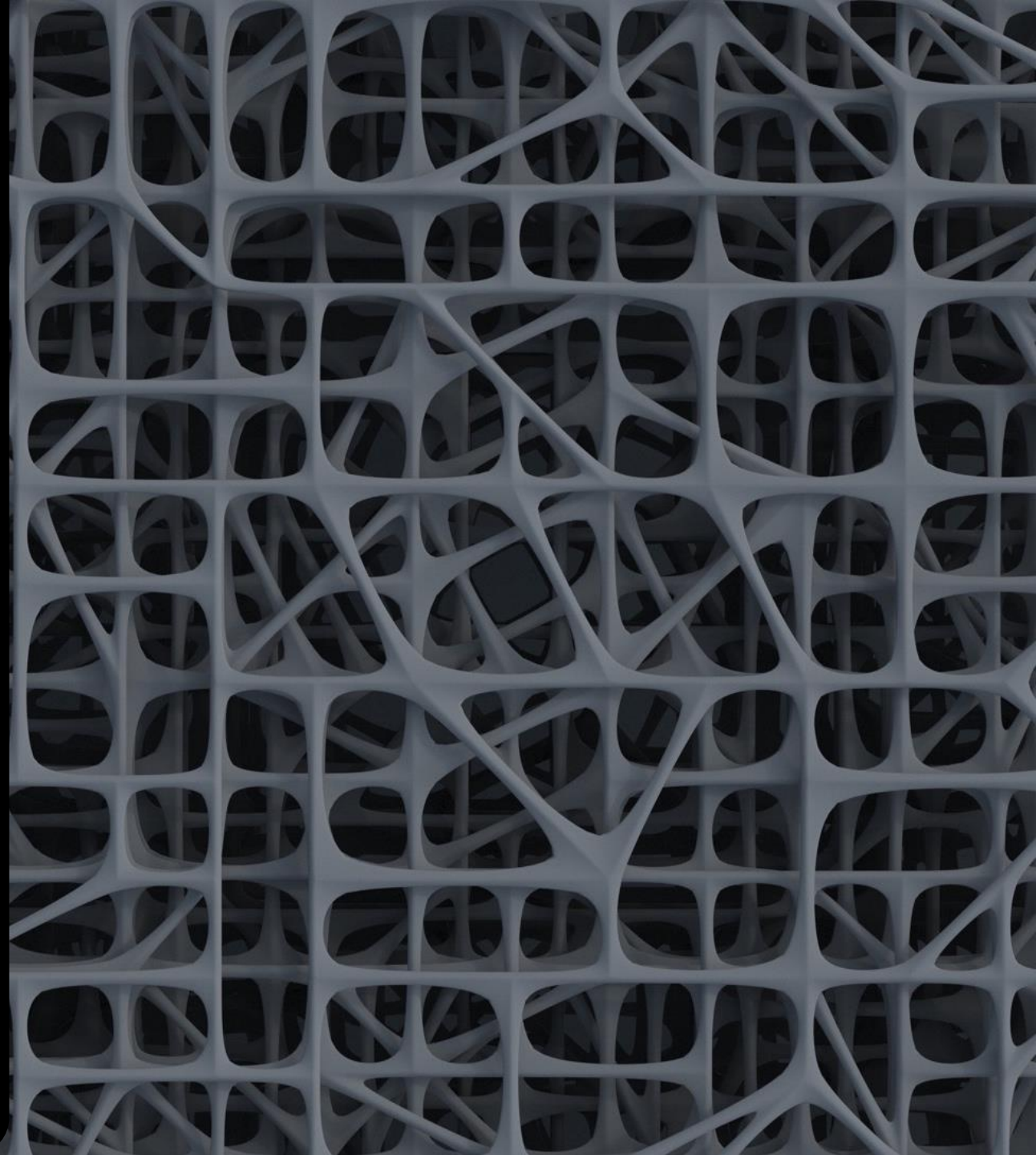
06

openBIM @ AU - 1 Class + 1 Panel + Networking



Agenda

- 01 Porto Reflections
- 02 Granular Data & the Lifecycle Vision
- 03 The Trust Transition — Standards, Interoperability & openBIM
- 04 openBIM Workflows & Tools
- 05 Product Updates & Data Exchange
- 06 Roadmaps
- 07 Q&A



1 WEEKLY RECAP

PORTO WEEK: standards, ecosystem, and relationship capital in motion

22-28
MARCH
2026



Porto, Portugal

2 THE WEEK IN 4 SIGNALS



ECOSYSTEM PRESENCE
Autodesk showed up across the buildingSMART International Summit, sparking meaningful conversations and reinforcing openBIM leadership.



STANDARDS MOMENTUM
Open standards and interoperability took center stage—moving from principle to practical impact.



RELATIONSHIP CAPITAL
Side meetings, group moments, and informal exchanges built trust and future collaboration.



PORTO EFFECT
A world-class setting that enabled high-quality dialogue and memorable experiences.

3

66

Progress in our industry depends on more than technology. It depends on trust, standards, shared intent, and the people who move it forward.

OUR COMMITMENT

We're proud to support the open standards community and to build solutions that help our industry design and build a better world.

AUTODESK



4 24-26 MARCH | SUMMIT KICKOFF



buildingSMART INTERNATIONAL SUMMIT

PORTO, PORTUGAL 24-26 MARCH, 2026

#bSSPorto26



Three days of global dialogue on open standards, interoperability, and the future of our industry.

5 22 MARCH | ARRIVAL



Arrived in Porto—setting the tone for a week of connection and insight.

6 23-25 MARCH | AUTODESK PRESENCE



Great conversations at the Autodesk stand—focused on real-world impact and partnership.

7 24-26 MARCH | STANDARDS ENGAGEMENT



Meaningful exchanges with standards leaders and industry peers advancing openBIM.

8 24-26 MARCH | ECOSYSTEM CONVERSATIONS



Connecting across the ecosystem—partners, peers, and leaders shaping what's next.

9 25 MARCH | EVENING ON THE DOURO



Unwinding on the Douro—some of the best conversations happen off the agenda.

10 25 MARCH | SUNSET & CONNECTIONS



Time to reflect, connect, and celebrate the relationships that drive progress.

11 26 MARCH | PORTO BY NIGHT



A city that blends history and innovation—the perfect backdrop for big ideas.

12 LOOKING AHEAD

Thank you to the buildingSMART community and all who made this week possible.



Stronger together.
Better connected.
Building a better world.



Excited for what we'll build together next.



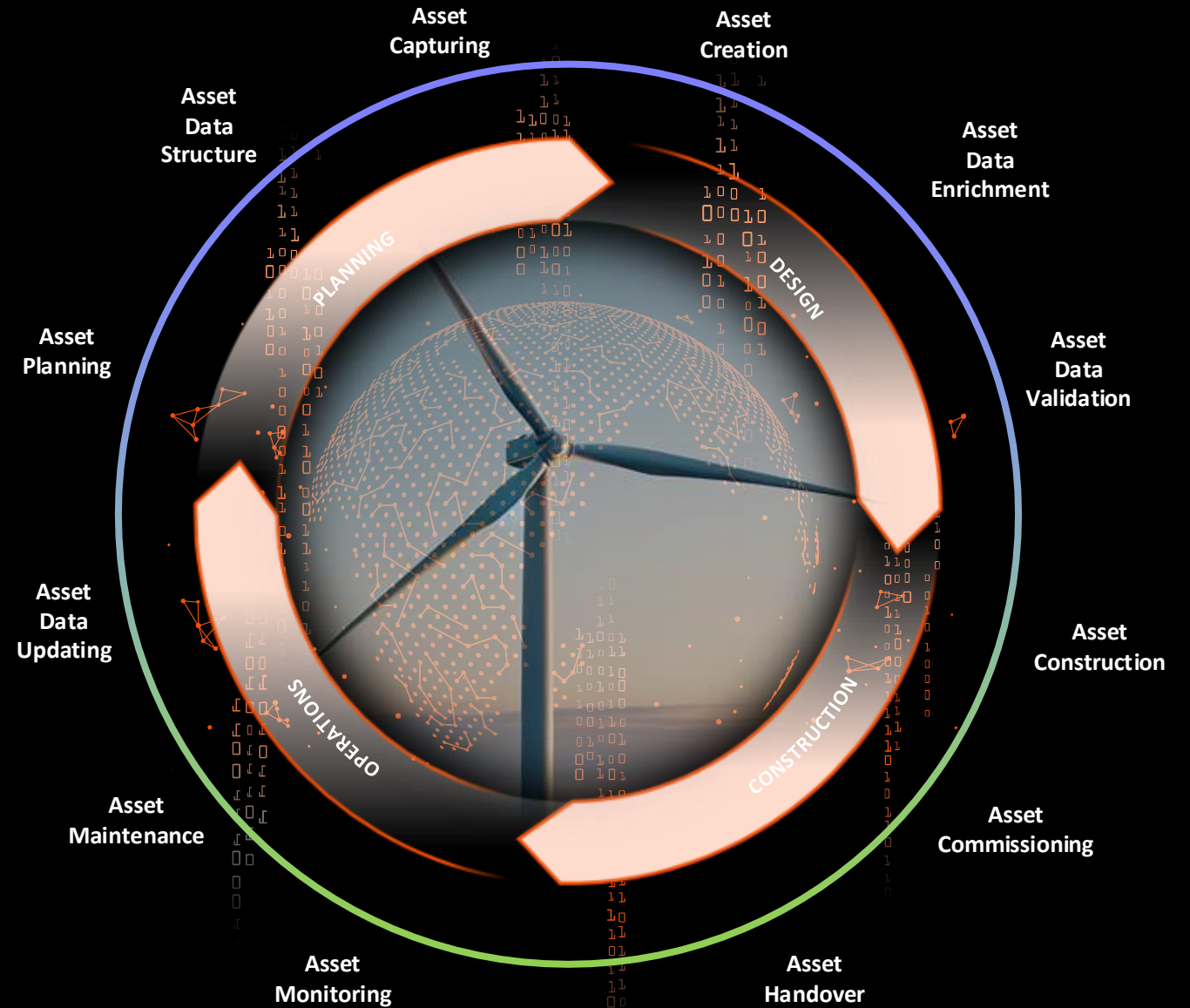
Onward!

Autodesk Team @ bS Summit Porto

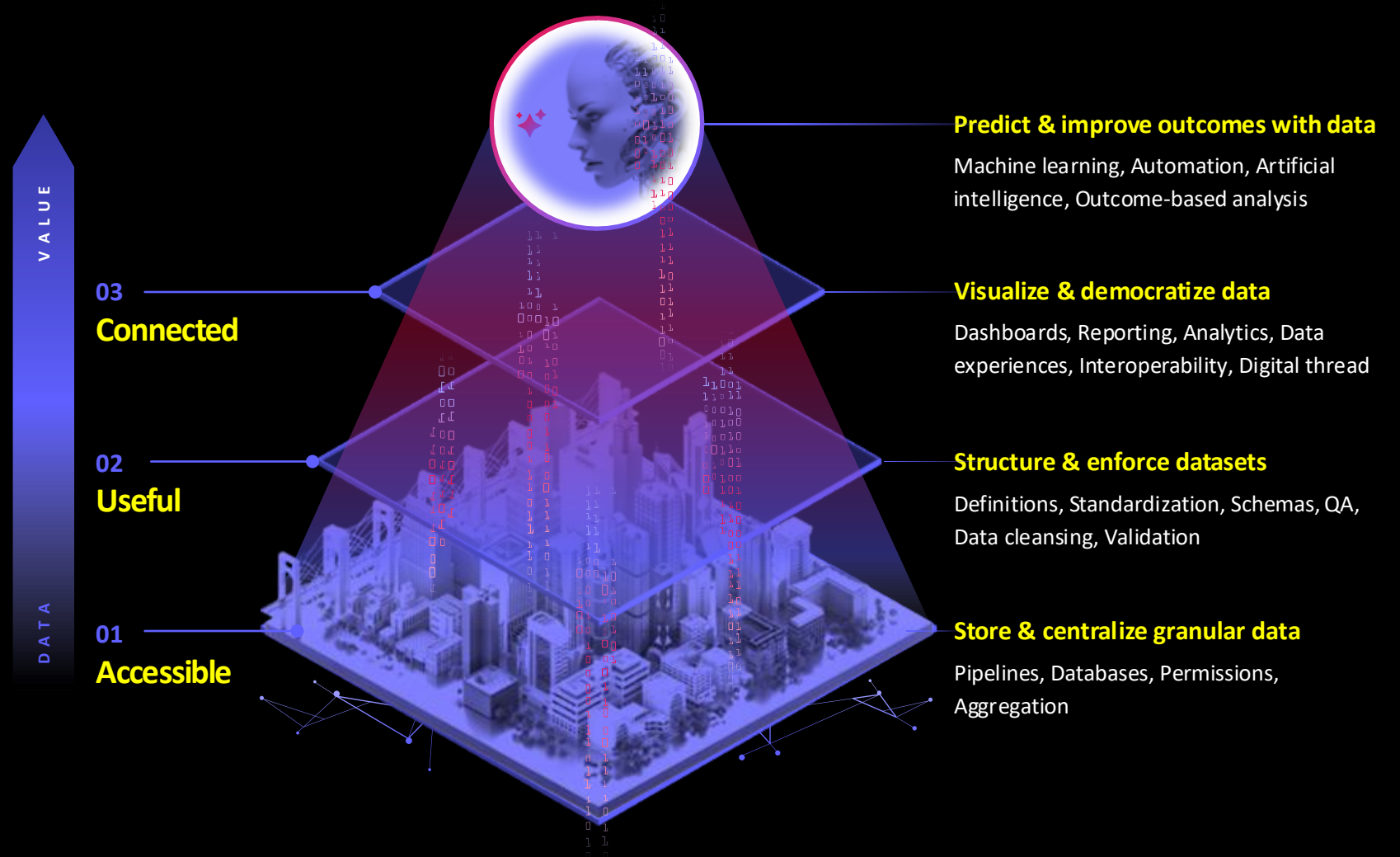
Sales + Strategy + Partnerships + Marketing + AEC Building Design + Product Management +



Our vision has always been and still is to support a full asset & project lifecycle management process....



Unlocking the power of AI starts with a foundation of better data



What It Takes to Make the Full Lifecycle Work

01

Data as the Foundation

Connected, governed, and reusable information
across every lifecycle phase

02

Interoperability

Seamless exchange across disciplines, tools, and
lifecycle stages

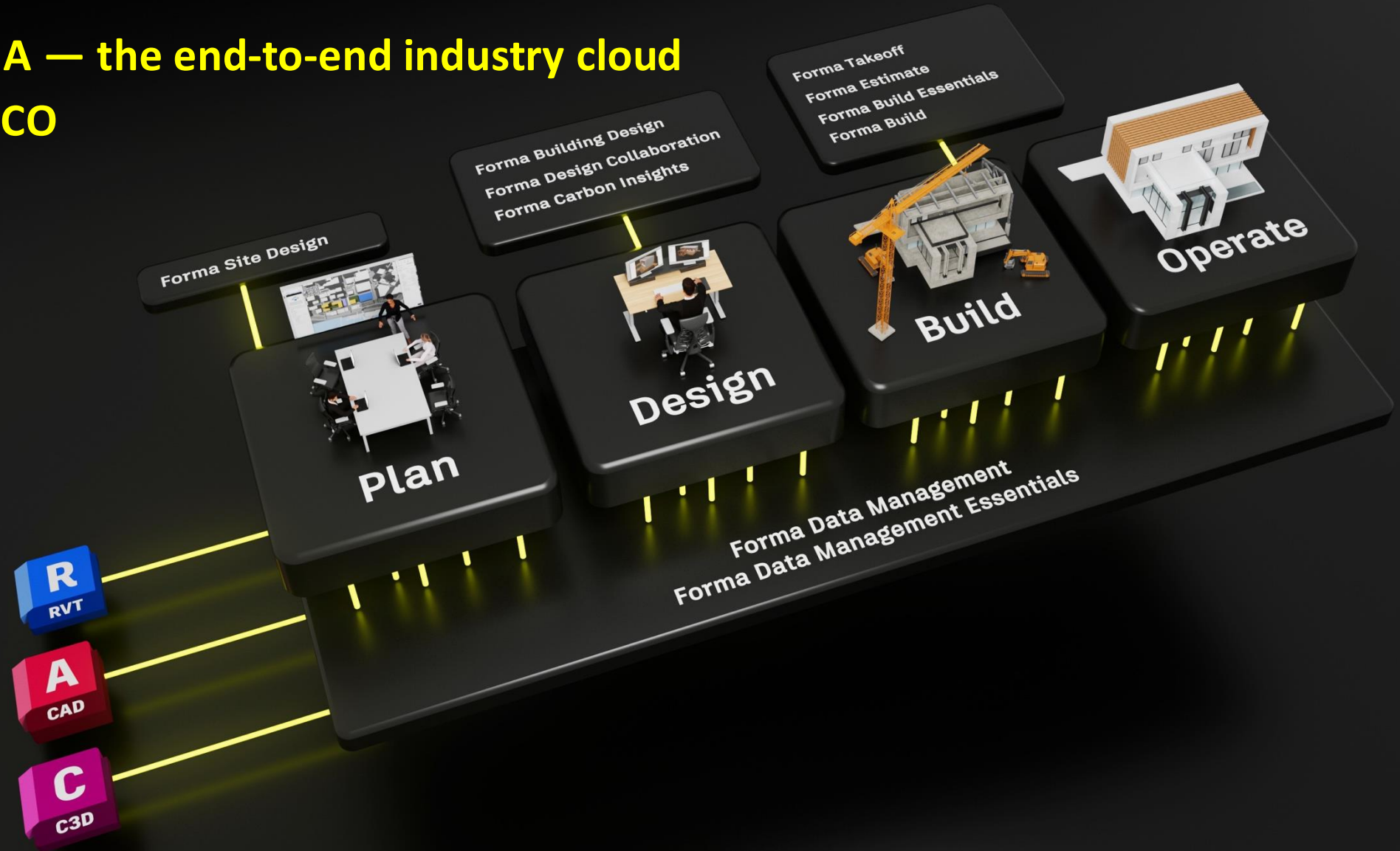
03

openBIM Workflow

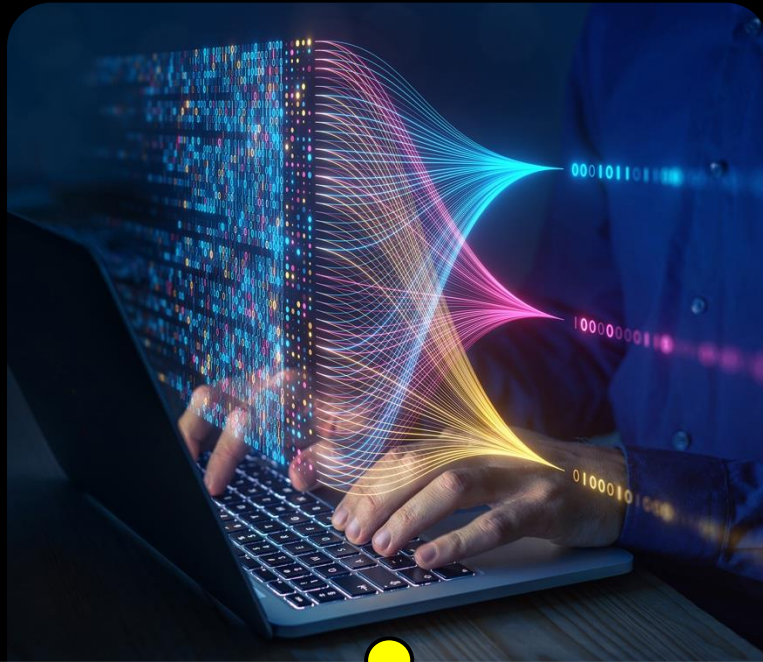
IFC, ISO 19650, and buildingSMART standards as
key enablers of trust and exchange

When information is connected, governed, and built on open standards — the lifecycle vision becomes deliverable. That requires a platform designed for it.

FORMA — the end-to-end industry cloud for AECO



Forma's paradigm shift is enabled by..



Connected Granular data

Replaces static files with dynamic, accessible information – unlocking greater transparency, control, and real-time insight across the project lifecycle



Hyper collaboration

New ways for teams to collaborate in real-time, immersive and asynchronous environments across disciplines and phases

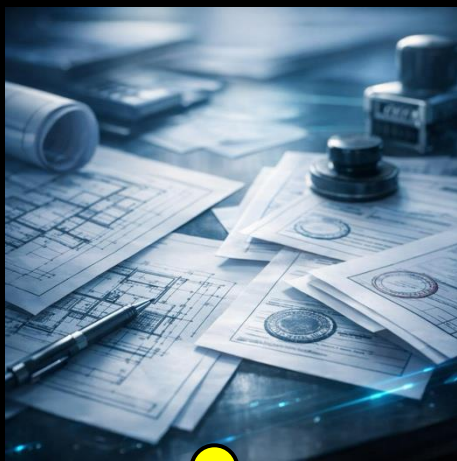


Outcomes & Automation

Expands model-based BIM with new ways of working that integrate AI, automation, and a focus on outcomes across all stages of the process.

The Trust Transition - From Documents to Outcomes

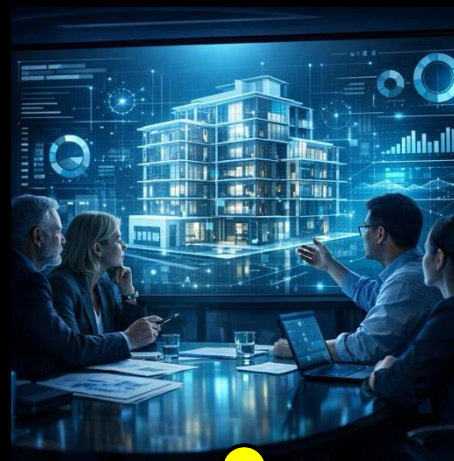
AI-Enabled Journey - potential to accelerate value from Information Management



Documents
record what
happened.



Data reveals
what's happening.



Insights help
teams anticipate
Outcomes



Outcomes
validate what
should happen.

Trusted information turns documents into outcomes—so teams spend less time waiting, chasing, and reworking.

The Trust Transition – Role of Standards

Why **ISO 19650** still matters in the AI-enabled journey

Autodesk Forma
Achieves BSI Kitemark
Certification for ISO
19650



●
Roles &
responsibilities
are explicit.

●
Information
requirements
drive consistency.

●
Common Data
Environment
enables control.

●
Assurance
creates **trust**.

ISO 19650 is the **governance layer** that makes information consistent, traceable, and AI-ready.
Certified Platform's make them scalable

Standards

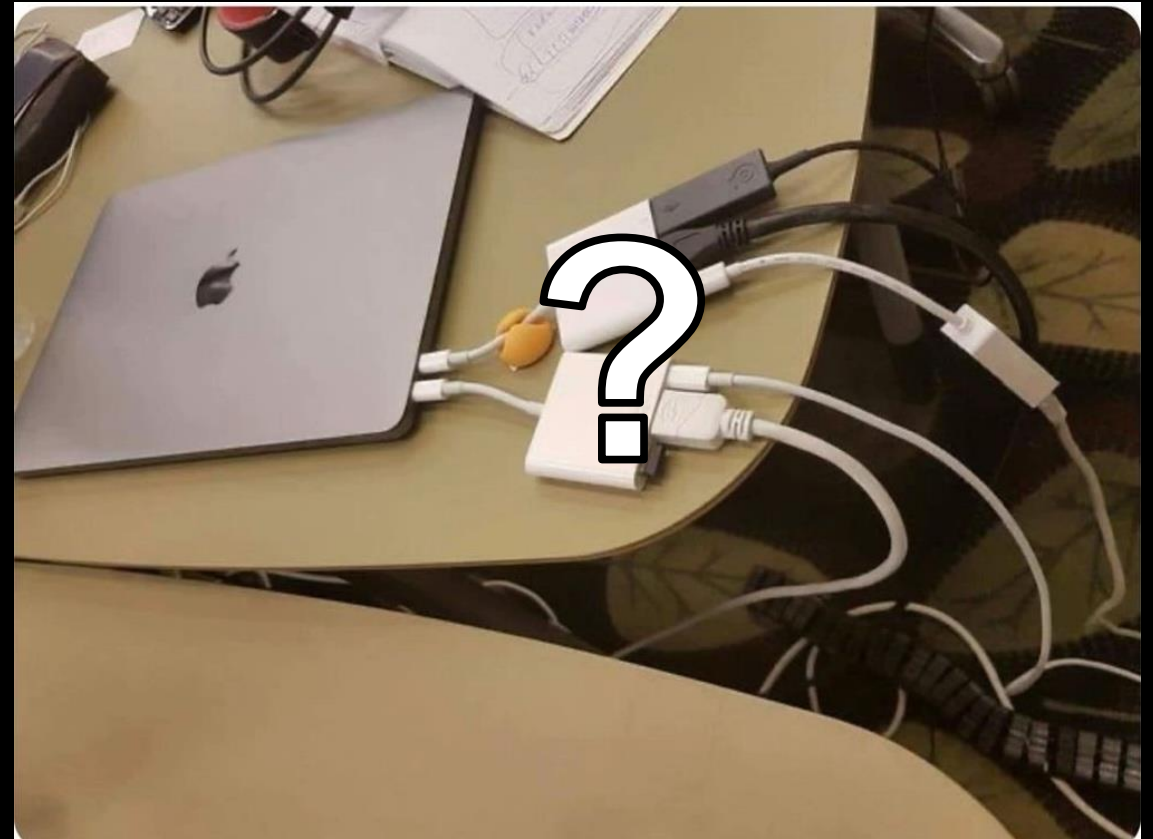
Ensuring quality and safety across industries.

- ISO 19650, Open Standards, DPP.....



Standardisation

Promoting consistency and efficiency in processes.



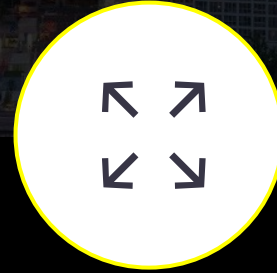
The Trust Transition – Autodesk openBIM vision | Concepts

Provide a best-in-class open BIM solution for IFC that exceeds our customers' expectations.



Performant

A performant platform which improves the time experienced for reading and authoring IFC data.



Flexible

Enabling flexible experiences for customers to complete unique project requirements.



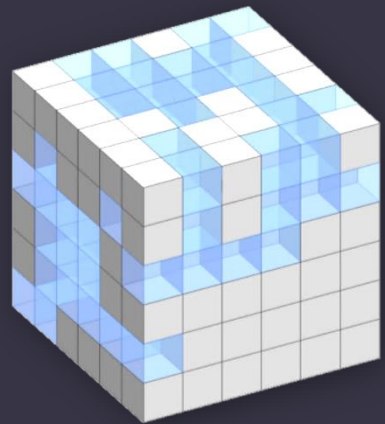
Consistent

Consistent experience when authoring and consuming data exchanges utilizing IFC formats.

The Trust Transition – Role of Interoperability

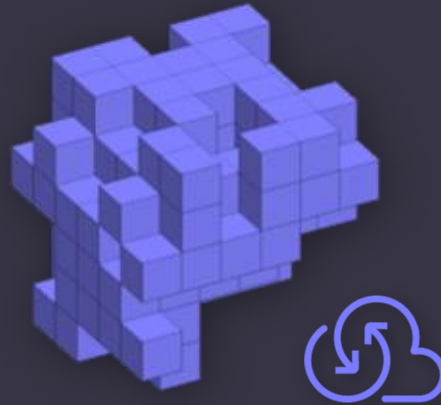
Cloud Platform enabled 'Granular' Data Exchange

Data Exchange – how it works



AUTHORING APP

SHARE AND UPDATE
SUBSETS OF DATA



DATA EXCHANGE

LOAD AND UPDATE
DATA CONNECTORS

COORDINATION
DOCUMENTATION
DASHBOARDS



KEY WORKFLOWS

Enhancing interoperability through sharing curated subsets of data

Sharing entire files

- Difficult to ship
- Might include your IP
- Not clear how it was built
- Dismantle half the model to access relevant elements



Photo: Reddit



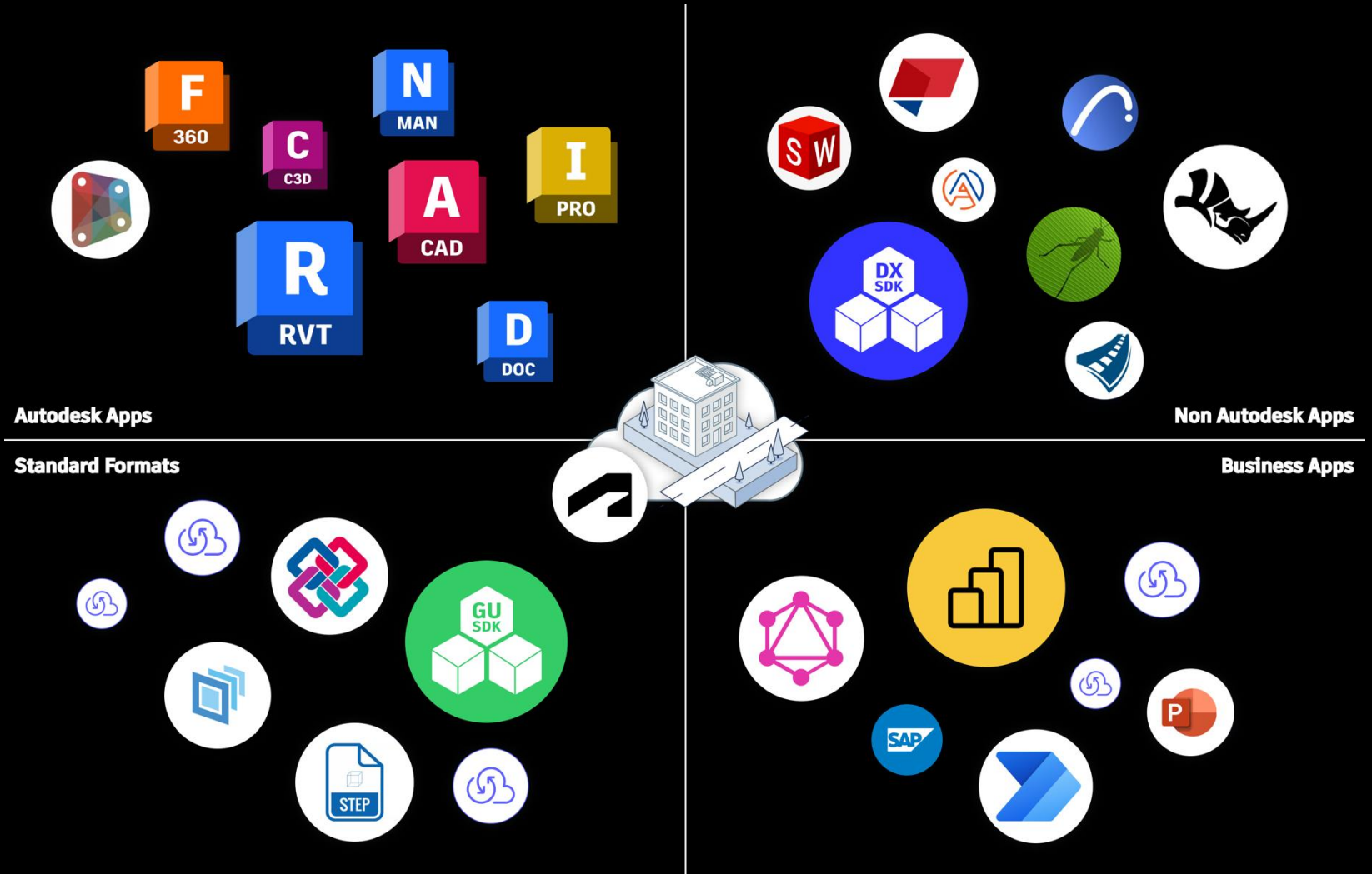
Sharing subsets of data

- Share only the items needed
- Protect your IP
- Include relevant information
- Maintain a connection to the original



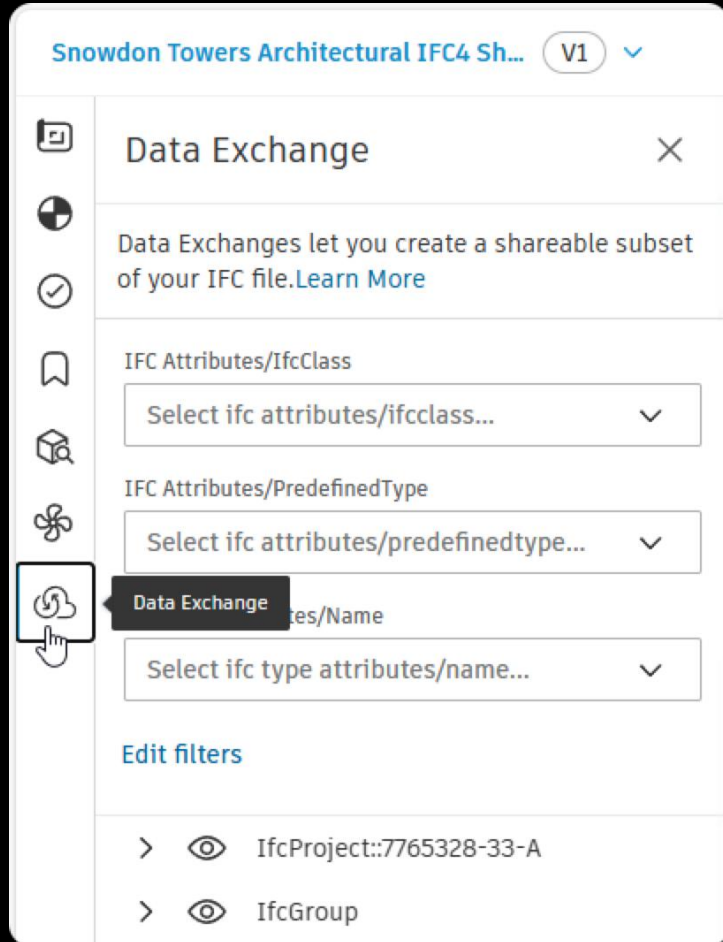
Data Exchange as part of the Autodesk Data Vision

- **Connected Ecosystem** that opens data to Autodesk and non-Autodesk systems
- **Gated Workflows** that provide control as data flows across boundaries
- **Work Packages** that deliver curated subsets of data necessary for the task



Data Exchange Cloud Connector for IFC

Available by default on all Forma Projects created after July 22nd, 2025



Snowdon Towers Architectural IFC4 Sh... V1

Data Exchange

Data Exchanges let you create a shareable subset of your IFC file. [Learn More](#)

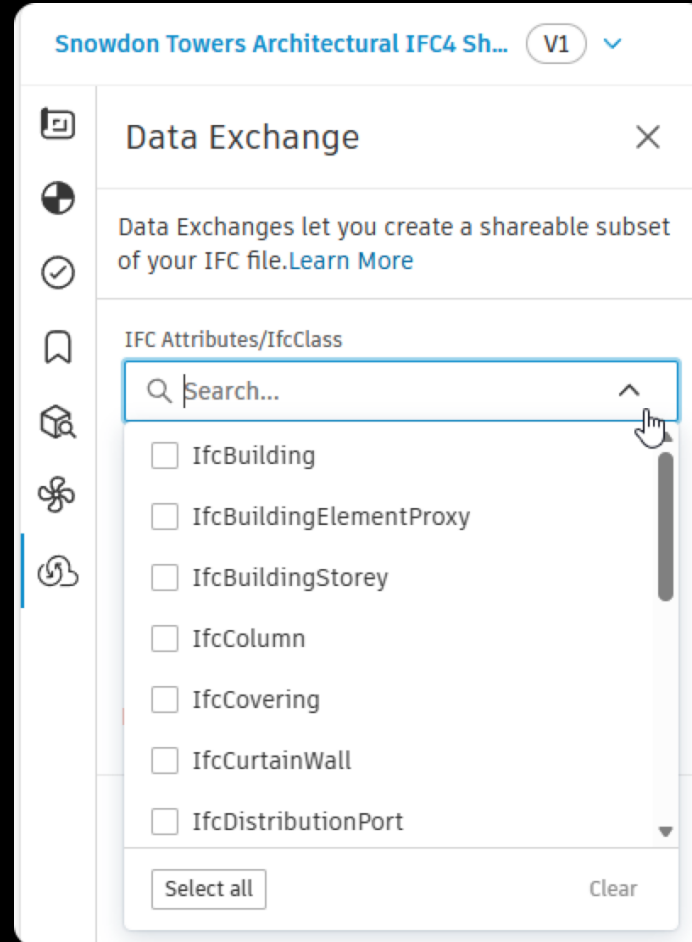
IFC Attributes/IfcClass
Select ifc attributes/ifcclass...

IFC Attributes/PredefinedType
Select ifc attributes/predefinedtype...

Data Exchange IFC Attributes/Name
Select ifc type attributes/name...

[Edit filters](#)

- > IfcProject::7765328-33-A
- > IfcGroup



Snowdon Towers Architectural IFC4 Sh... V1

Data Exchange

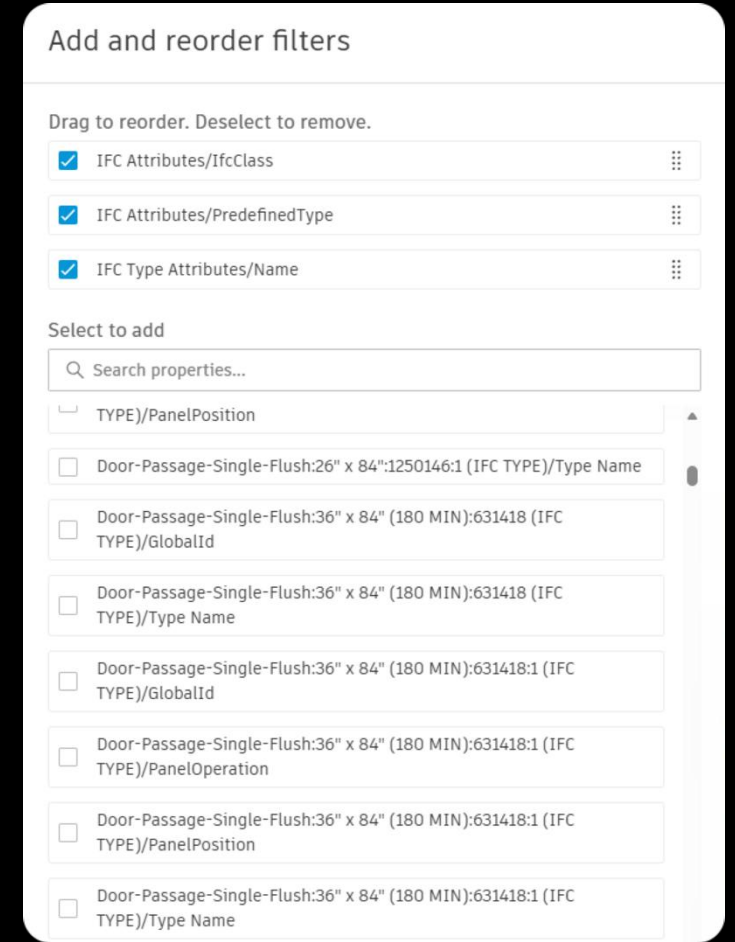
Data Exchanges let you create a shareable subset of your IFC file. [Learn More](#)

IFC Attributes/IfcClass

Search...

- IfcBuilding
- IfcBuildingElementProxy
- IfcBuildingStorey
- IfcColumn
- IfcCovering
- IfcCurtainWall
- IfcDistributionPort

Select all Clear



Add and reorder filters

Drag to reorder. Deselect to remove.

- IFC Attributes/IfcClass
- IFC Attributes/PredefinedType
- IFC Type Attributes/Name

Select to add

Search properties...

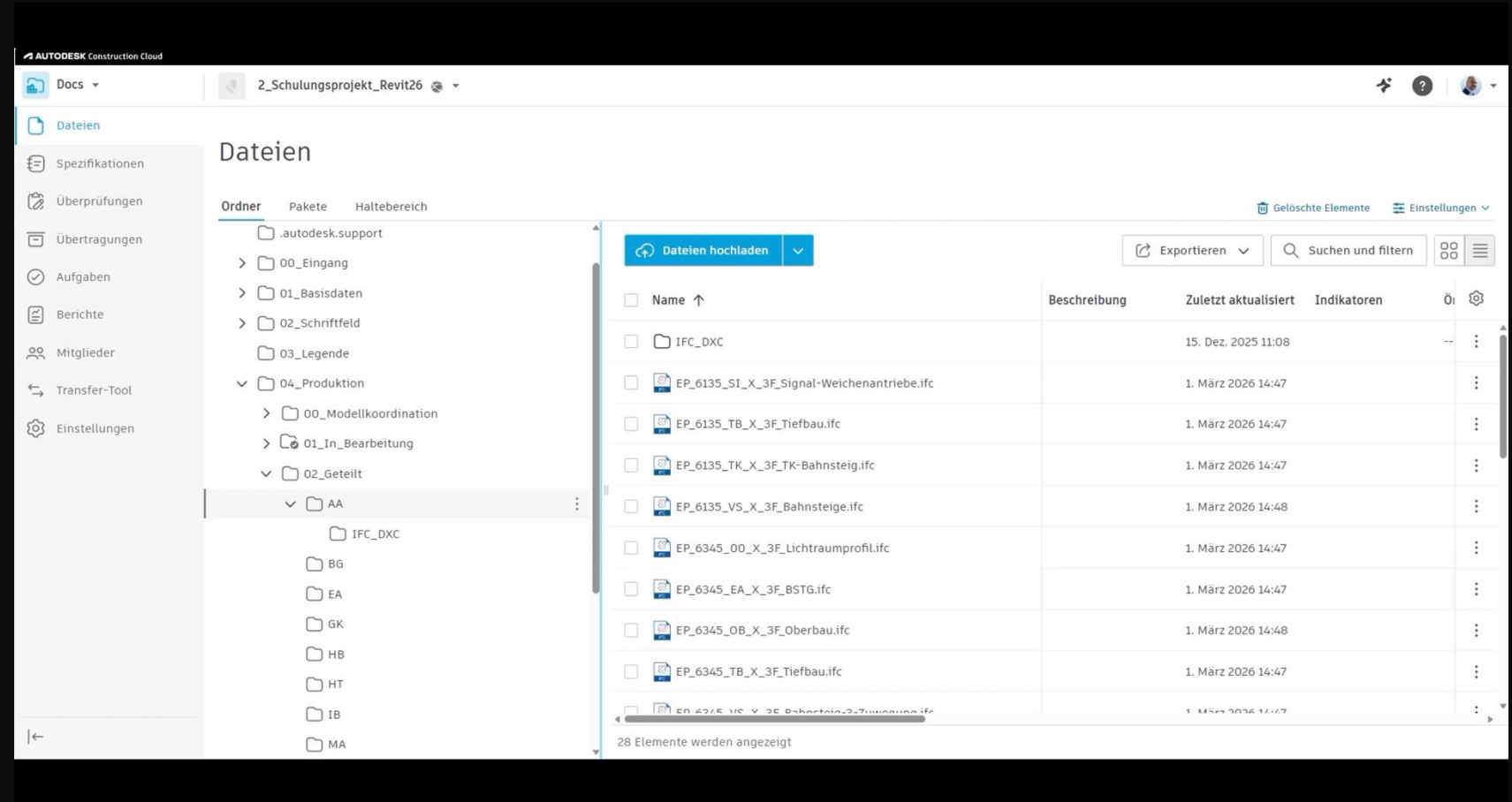
- TYPE)/PanelPosition
- Door-Passage-Single-Flush:26" x 84":1250146:1 (IFC TYPE)/Type Name
- Door-Passage-Single-Flush:36" x 84" (180 MIN):631418 (IFC TYPE)/GlobalId
- Door-Passage-Single-Flush:36" x 84" (180 MIN):631418 (IFC TYPE)/Type Name
- Door-Passage-Single-Flush:36" x 84" (180 MIN):631418:1 (IFC TYPE)/GlobalId
- Door-Passage-Single-Flush:36" x 84" (180 MIN):631418:1 (IFC TYPE)/PanelOperation
- Door-Passage-Single-Flush:36" x 84" (180 MIN):631418:1 (IFC TYPE)/PanelPosition
- Door-Passage-Single-Flush:36" x 84" (180 MIN):631418:1 (IFC TYPE)/Type Name

Data Exchange

Cloud Connector for IFC



- Forma pilot project setup based on IFC-based data Exchanges
- Simplified collaboration setup with internal and external stakeholders
- DX Connectors used:



Data Exchange for IFC helps us simplify our project setup and streamline IFC version management thanks to auto-updates.
Sait Tan, BIM Expert and IT Consultant

- Validation of IFC 4.3 model exports from Revit
- Data visualization in Power BI shared with supply chain partners
- DX Connectors used:



IfcObject.IfClass

- ▣ IfcActuator
 - ▣ ELECTRICACTUATOR
 - ▣ HANDOPERATEDACTUATOR
 - ▣ HYDRAULICACTUATOR
 - ▣ NOTDEFINED
 - ▣ PNEUMATICACTUATOR
 - ▣ THERMOSTATICACTUATOR
 - ▣ USERDEFINED
- ▣ IfcAirTerminal
- ▣ IfcAirTerminalBox
- ▣ IfcAirToAirHeatRecovery
- ▣ IfcAlarm
- ▣ IfcAudioVisualAppliance
- ▣ IfcBeam
- ▣ IfcBearing
- ▣ IfcBoiler
- ▣ IfcBridge
- ▣ IfcBridgePart
- ▣ IfcBuilding
- ▣ IfcBuildingElementPart
- ▣ IfcBuildingElementProxy
- ▣ IfcBuildingStorey

IfcRoot.GlobalId	IfcObject.IfClass	Type_IfcTypeObject.IfClass	IfcElemen
0\$_PusR8\$yhC72X8FiHJba	IfcCovering	IfcCoveringType	354615
0\$U9dYgkn3pA\$88cYx7Jf3	IfcImpactProtectionDevice	IfcImpactProtectionDeviceType	402098
0\$U9dYgkn3pA\$88cYx7Jfj	IfcImpactProtectionDevice	IfcImpactProtectionDeviceType	402076
0_LP3kC22Dhb184b20FCyV	IfcHeatExchanger	IfcHeatExchangerType	400197
0_mrHF15nlaWjtpqLPvSuA	IfcCableCarrierSegment	IfcCableCarrierSegmentType	337743
0_nC_uxPy6pNarSiO7Hovo	IfcPile	IfcPileType	422136
0_ueG\$2cS8_9umJZ1b6C6J	IfcDistributionChamberElement	IfcDistributionChamberElementType	360470
00RyXkeV32u9ebDYx10U4	IfcAudioVisualAppliance	IfcAudioVisualApplianceType	327004

IfcBuildingElementProxy should not be used

0.07K (5.5%)
1.24K

● Passed
● Failed

IFC data exchange is one of the best things Autodesk have produced in a while!
Alex Plenty, Head of Digital Construction UK

Eiffage

- 4D dashboard based on data from IFC / Revit
- Simplified coordination across teams and stakeholders
- DX Connectors used:

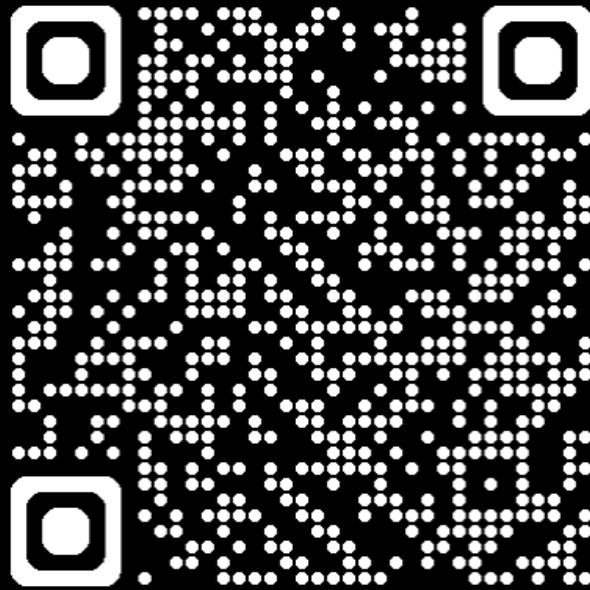


The screenshot displays a 4D dashboard for the Pont de Pierre project. At the top, a 3D model of the bridge is shown with a yellow highlight on a specific section. Below the model is a Gantt chart titled "Fin réel (le plus ancien) par Tâche et Début réel" with a timeline from May 4 to June 15. The Gantt chart lists tasks such as "Cercle...", "Conda...", "Pile P11", "Bascule...", and "Mise de...". To the right, a calendar interface shows the month of May, with the 5th highlighted. A "Filtres" (Filters) panel is also visible on the right side of the dashboard.

Saving the Pont de Pierre

Data Exchange improves communication by making complex processes more understandable for all stakeholders.
Louis Gravier, Référent BIM

Get started & Stay in touch!



<https://linktr.ee/autodeskdata>

The Trust Transition – openBIM & buildingSMART in the AI era

Trusted, connected information is the prerequisite for systemic AI value across the built environment lifecycle.



openBIM workflow enables continuity, exchange, and interoperability across disciplines and every lifecycle stage.

Continuity

Information retained through the lifecycle

Trusted exchange

Governed 'validated' sharing across parties and tools

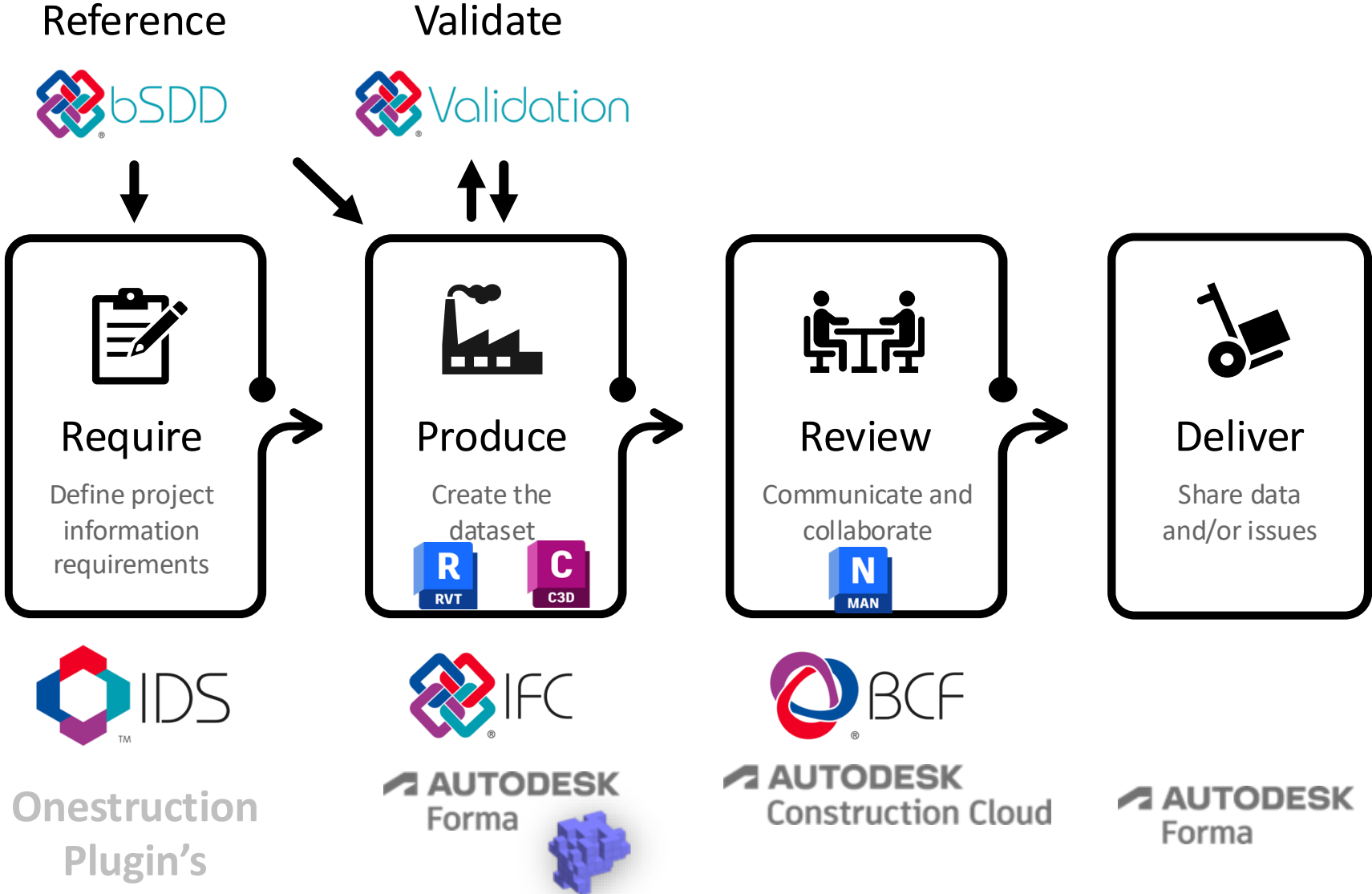
Machine-interpretable

Open standards that AI can reliably use

If information cannot travel across disciplines and lifecycle stages, AI cannot help systemically.

Standards and platforms are complementary—governance + scalable implementation.

openBIM Workflow



Autodesk products supporting IFC

IFC 2x3



 **AUTODESK**
Forma

IFC4



 **AUTODESK**
Forma

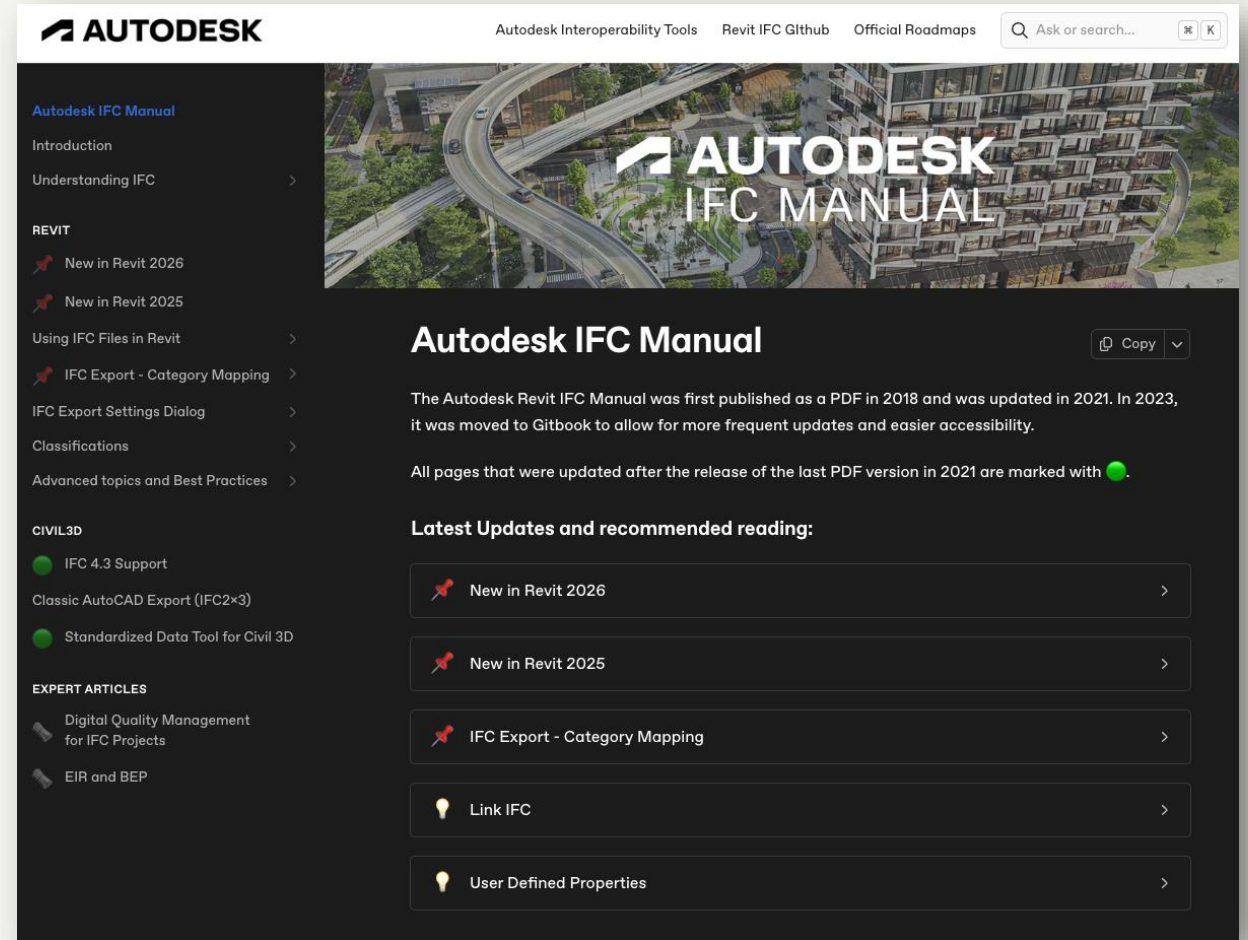
IFC4.3



 **AUTODESK**
Forma

Autodesk IFC Manual

autodesk.ifc-manual.com



The screenshot shows the Autodesk IFC Manual website. The header includes the Autodesk logo, navigation links for 'Autodesk Interoperability Tools', 'Revit IFC Github', and 'Official Roadmaps', and a search bar. The main content area features a large banner with the title 'AUTODESK IFC MANUAL' over an architectural rendering. Below the banner, the title 'Autodesk IFC Manual' is repeated with a 'Copy' button. A paragraph explains the manual's history: 'The Autodesk Revit IFC Manual was first published as a PDF in 2018 and was updated in 2021. In 2023, it was moved to Gitbook to allow for more frequent updates and easier accessibility.' A note states: 'All pages that were updated after the release of the last PDF version in 2021 are marked with ●'. A section titled 'Latest Updates and recommended reading:' lists five items: 'New in Revit 2026', 'New in Revit 2025', 'IFC Export - Category Mapping', 'Link IFC', and 'User Defined Properties', each with a right-pointing arrow.

AUTODESK Autodesk Interoperability Tools Revit IFC Github Official Roadmaps

AUTODESK IFC MANUAL

Autodesk IFC Manual

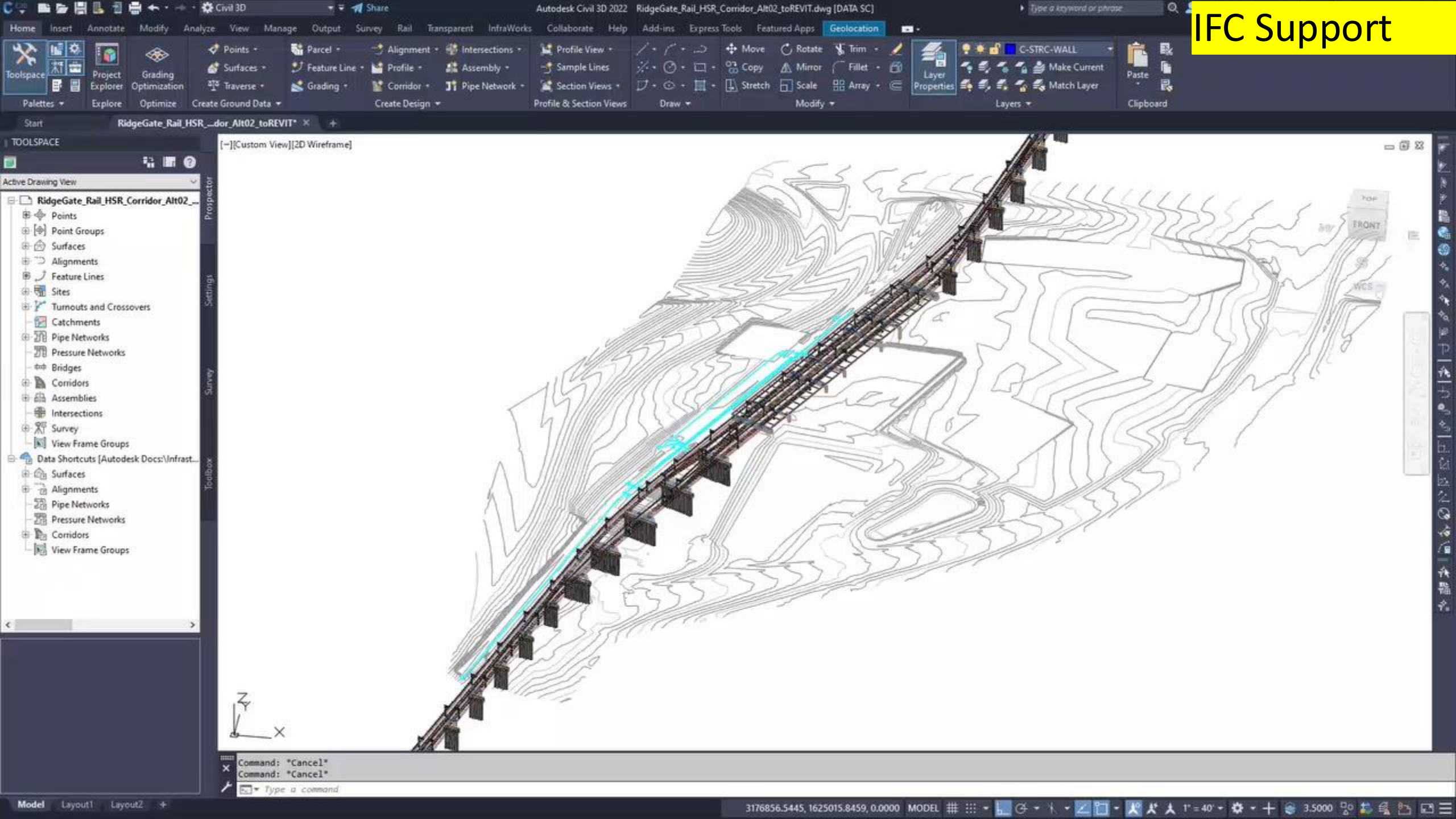
The Autodesk Revit IFC Manual was first published as a PDF in 2018 and was updated in 2021. In 2023, it was moved to Gitbook to allow for more frequent updates and easier accessibility.

All pages that were updated after the release of the last PDF version in 2021 are marked with ●.

Latest Updates and recommended reading:

- >
- >
- >
- >
- >

IFC Support

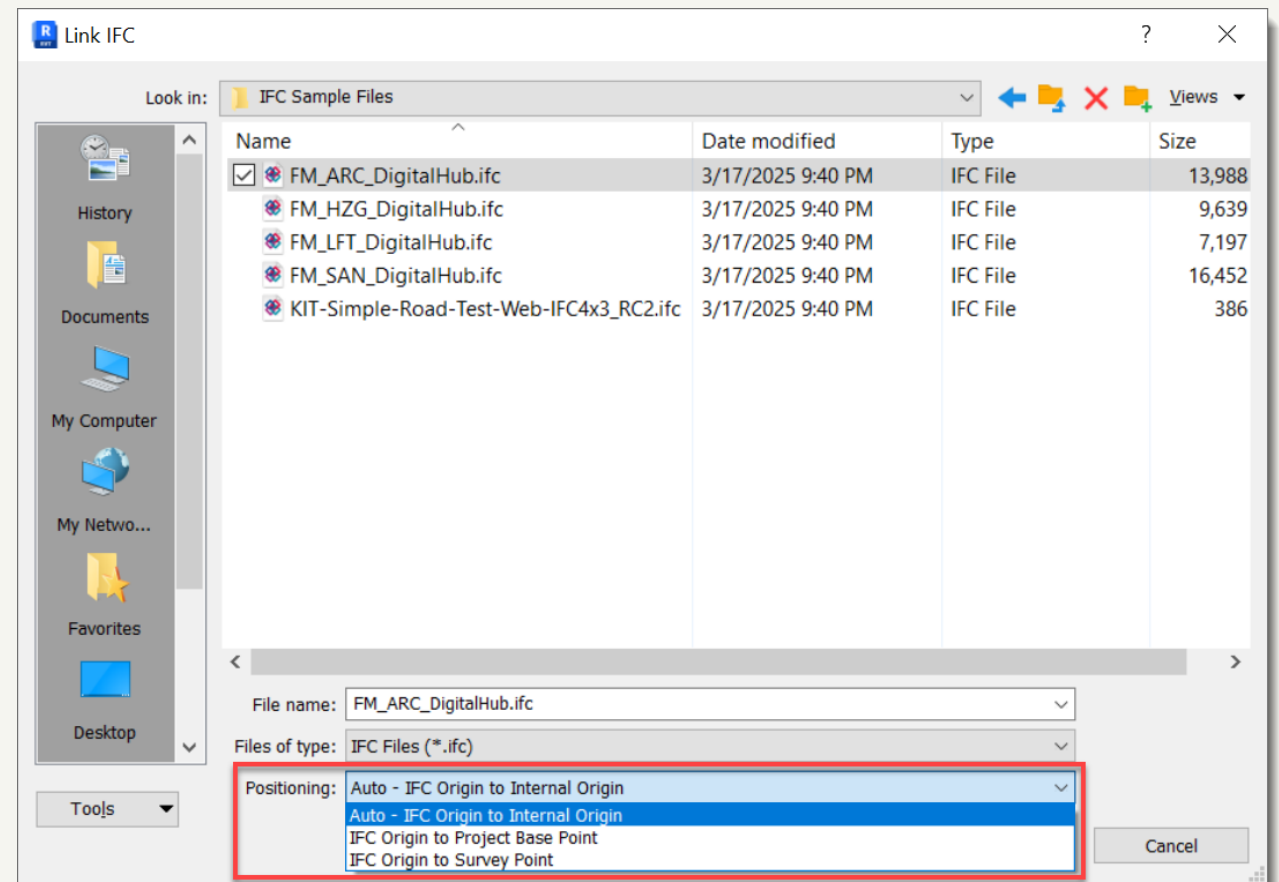


New in Revit 2026

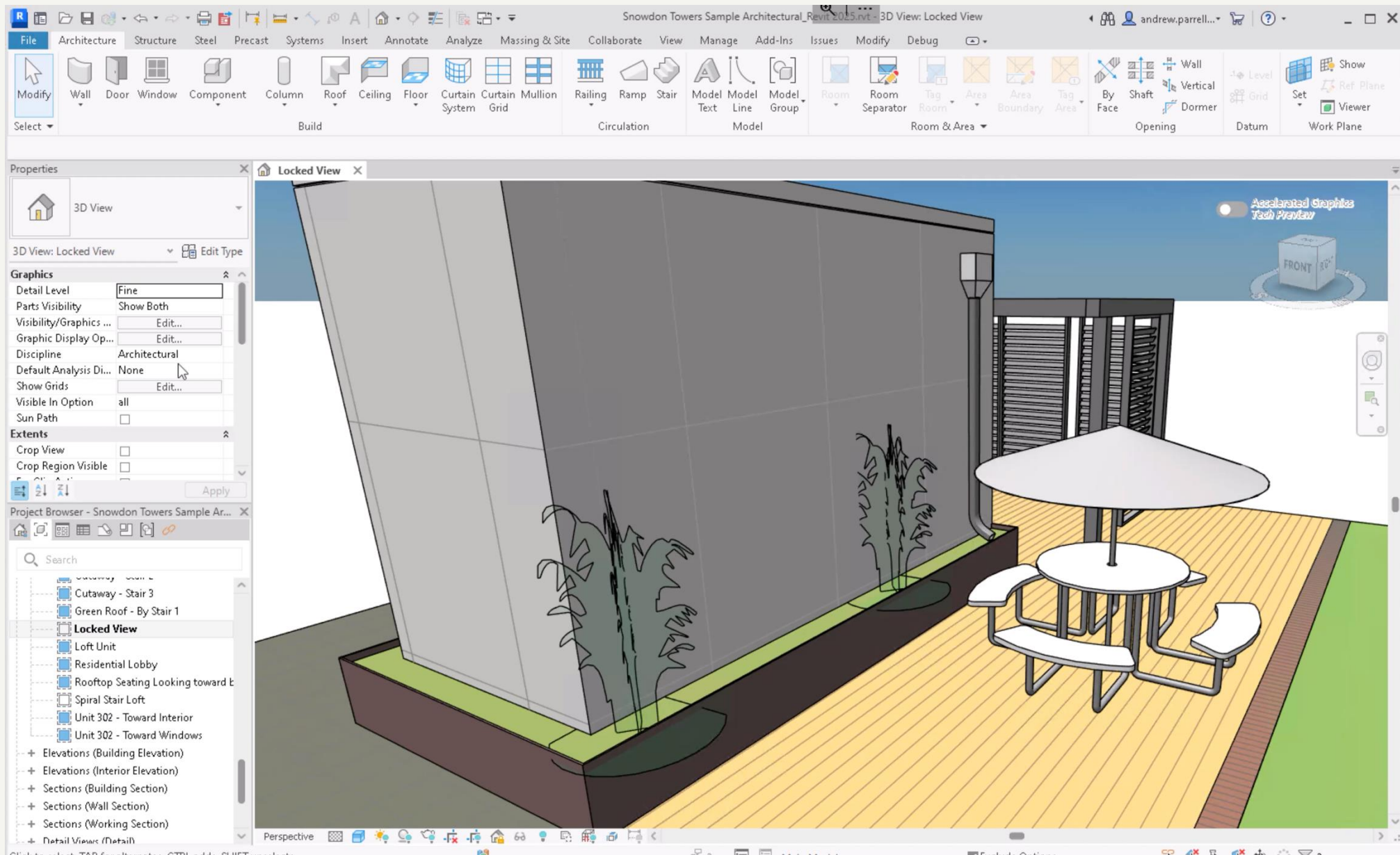
- Linking IFC is now 50% faster
- New positioning controls when linking IFC models.
- Default location is Revit's Internal Origin
- 130 Enhancements and Fixes



50%



Sneak Preview: IFC Property Set Mapping

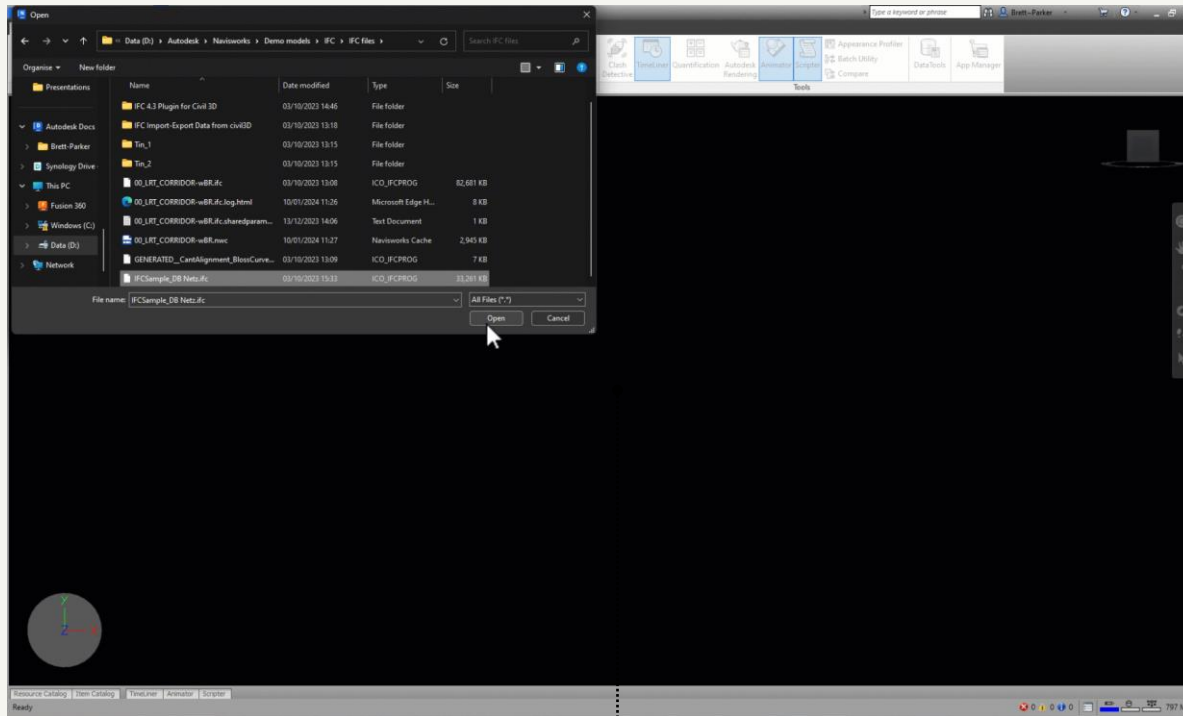


New in Civil 3D

- Across the board improvements for **validate.buildingsmart.org**
- Improved Design Automation support
- Improved support for **solid geometry and meshes** (including limited support for unions)
- Solid volumes and mesh/surface areas (calculated if needed ie corridor elements) and added to exported objects
- Improved GUID handling
- Better performance and smaller file size

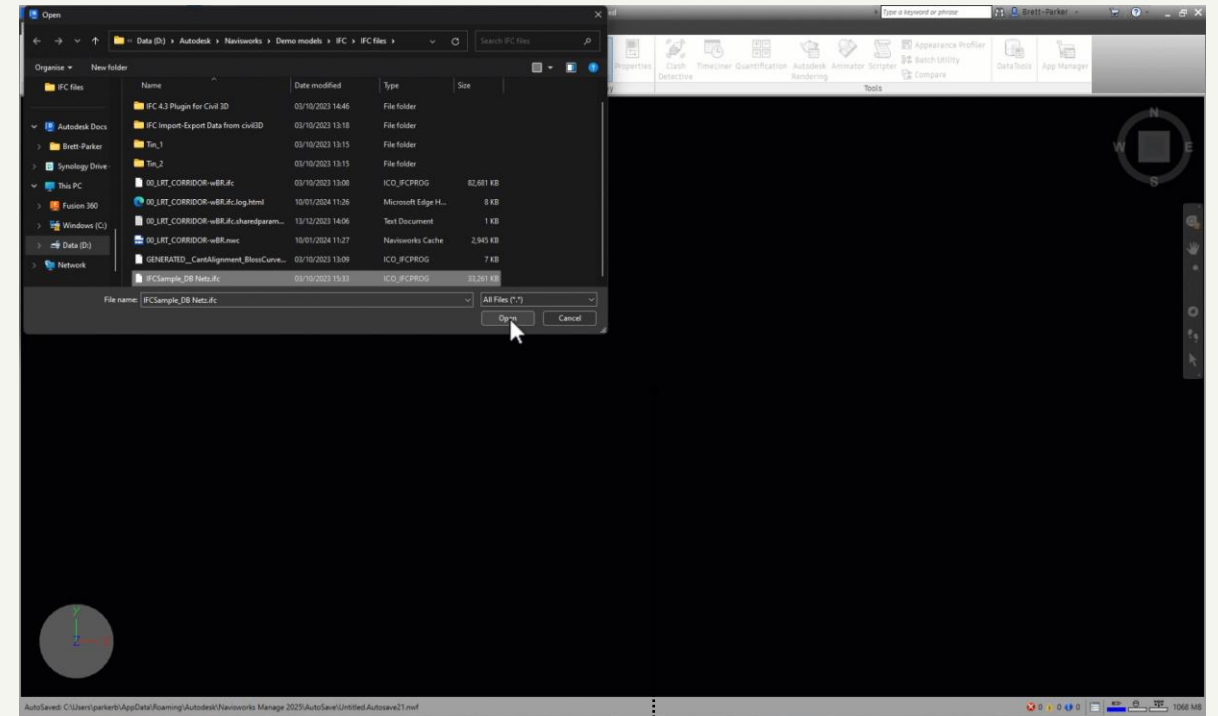
Improved IFC Performance: Navisworks + ACC

Before:



Navisworks 2024 Time consuming to load and inaccurate.

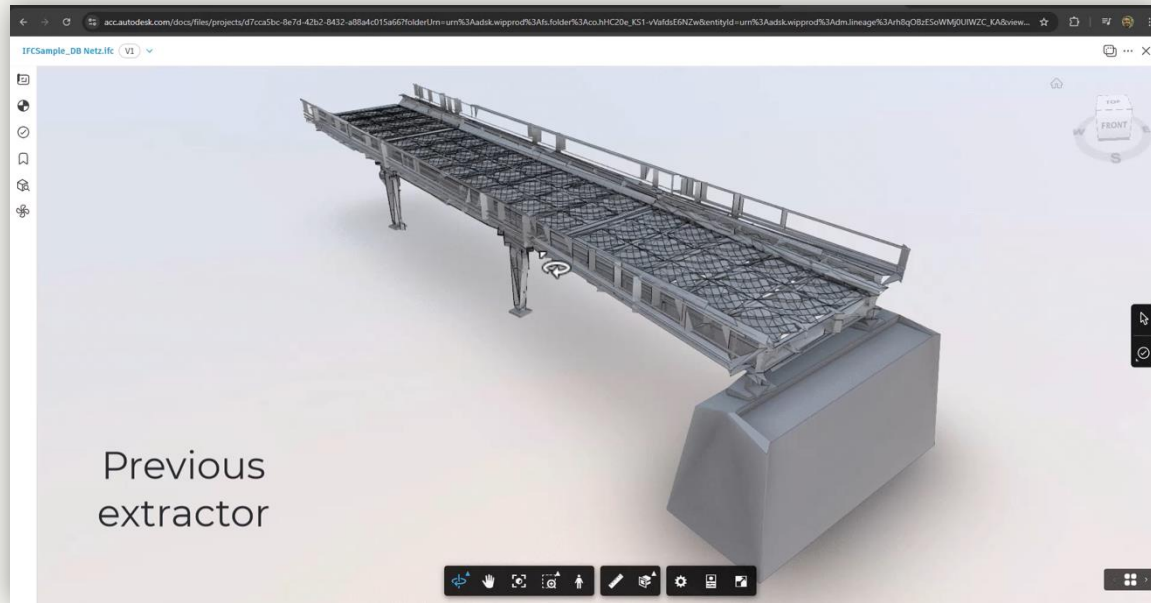
After:



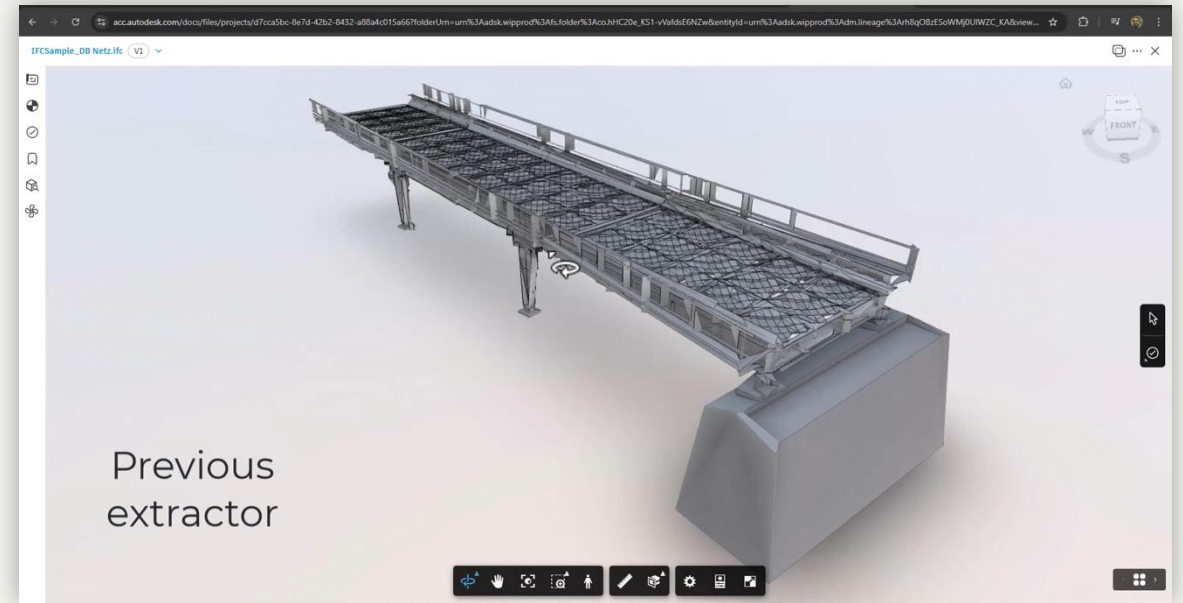
Navisworks 2025 More than twice as fast and accurate.

Improved Support for geo-referenced IFC files on ACC

Before:



After:





FRONT

Parking

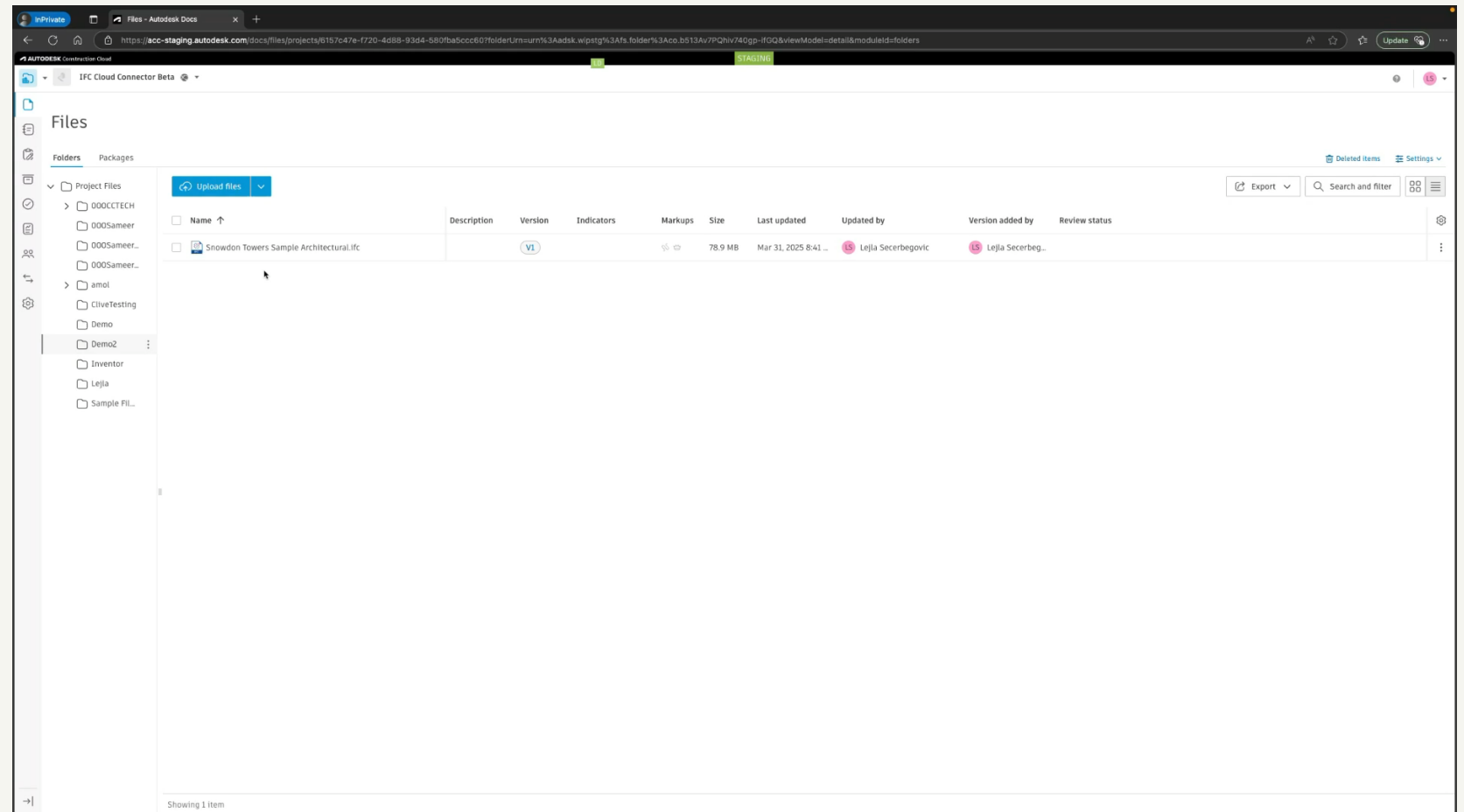


Data Exchange for IFC

Now available on all ACC Projects created after July 22, 2025

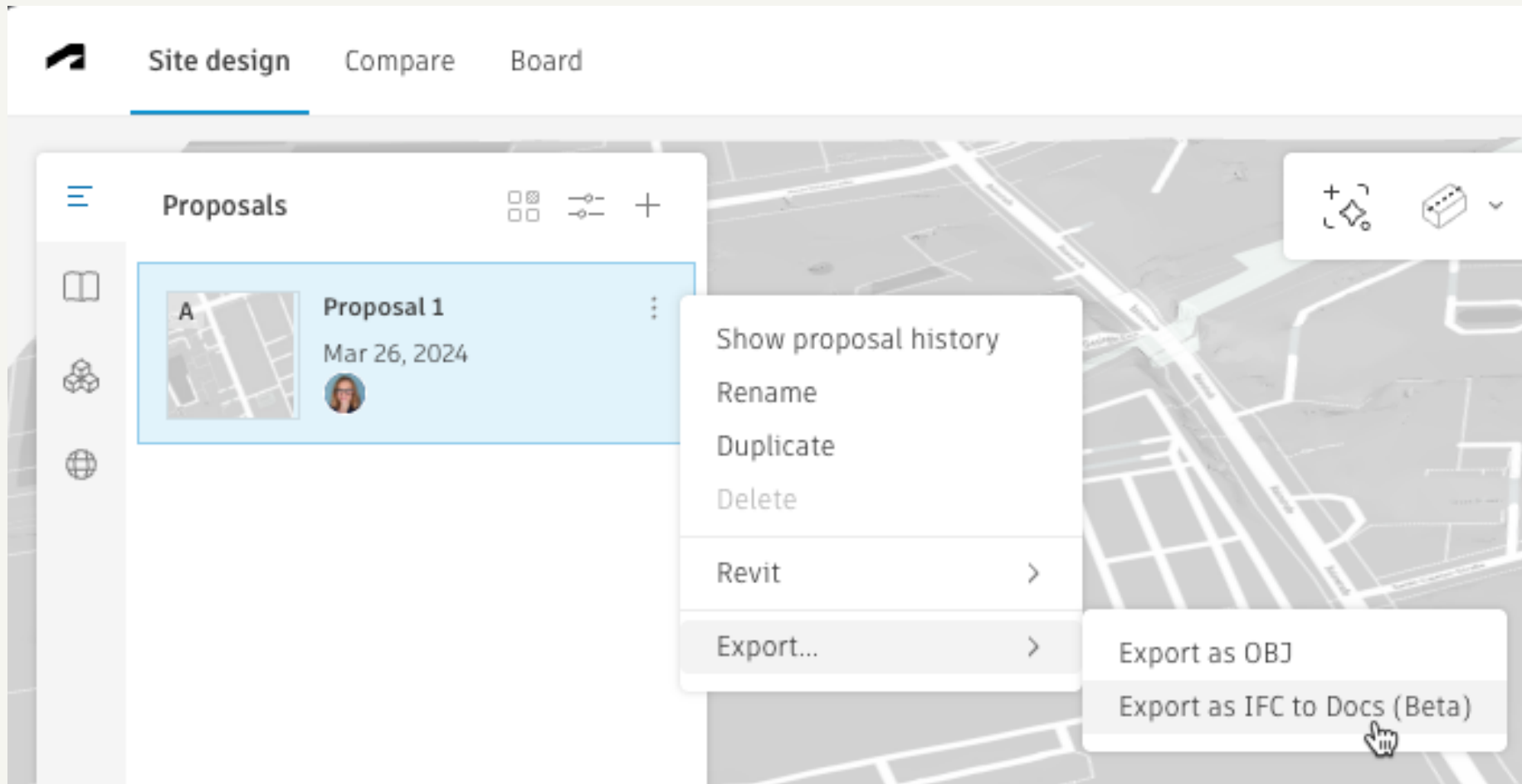


- Extract Subsets of granular data from IFC files
- Load Data Exchanges through other connectors, including Power BI
- Access data exchanges through GraphQL API



New in Forma Site Design

Export Proposals as IFC 4.3



AEC Data Model – Preview

The screenshot shows a web browser window with the following elements:

- Browser Tab:** Autodesk Assistant MFE
- Address Bar:** cfp-mfe-stg.autodesk.com/autodesk-assistant-new/current/index.html
- Chat Window:** A message from the assistant: "Hi Zhong, I'm Autodesk Assistant. I use AI to answer questions and recommend solutions. How can I help you today?"
- Main Content Area:**
 - Text:** **Art of the possible**
 - Text:** **Unlocking Revit Geometry via AEC Data Model**
- Input Field:** "Ask a question or select a prompt to get started" with a send button.
- Settings:** "(for testing in dev/stg only) MCP Enabled" with a toggle switch.

AEC Data Model Roadmap

Available Now

- AMER, EMEA, & AUS Region Support
- Revit Properties available in AEC Data Model
- Navigate & Query across, Projects, Models, Elements to access granular data

On the Horizon

- Betas for increased Revit Sync Frequency, multi-region support and much more!

Join The Geometry Beta



Retrieve geometry information
for individual model elements

So what changes in the AI era?

AI needs lifecycle-connected data: the same information, consistently defined, traceable, and reusable from design to operations.

Design

Define information requirements and intent

Build

Capture reality and verify against requirements

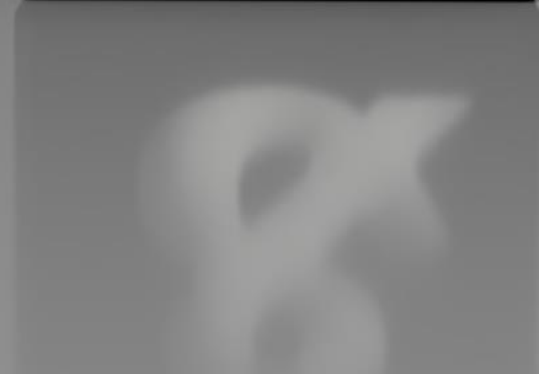
Own

Handover with provenance and completeness

Operate

Maintain continuity for performance and decisions

ISO 19650 provides the governance layer; Interoperability and certified platforms make it scalable—**together they make information AI-ready.**





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