

SYMETRI

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NAVIATE AND AI INITIATIVES

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NAVIATE SO FAR

- What is Naviate
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NEXT STEP

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PRIVACY

Measures to ensure privacy in AI offerings



01

AI IN NAVIATE



As a Naviate user, what AI-features are available today?

WHAT IS NAVIATE?



ACCELERATE



ARCHITECTURE



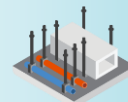
ELECTRICAL



MEP



HVAC



FABRICATION



STRUCTURE
& REBAR



ENVIRONMENT
(Landskab)



ZERO



DAYLIGHT



BIMFIRE



CLOUD
MANAGER



NEBULA



SIMPLE BIM

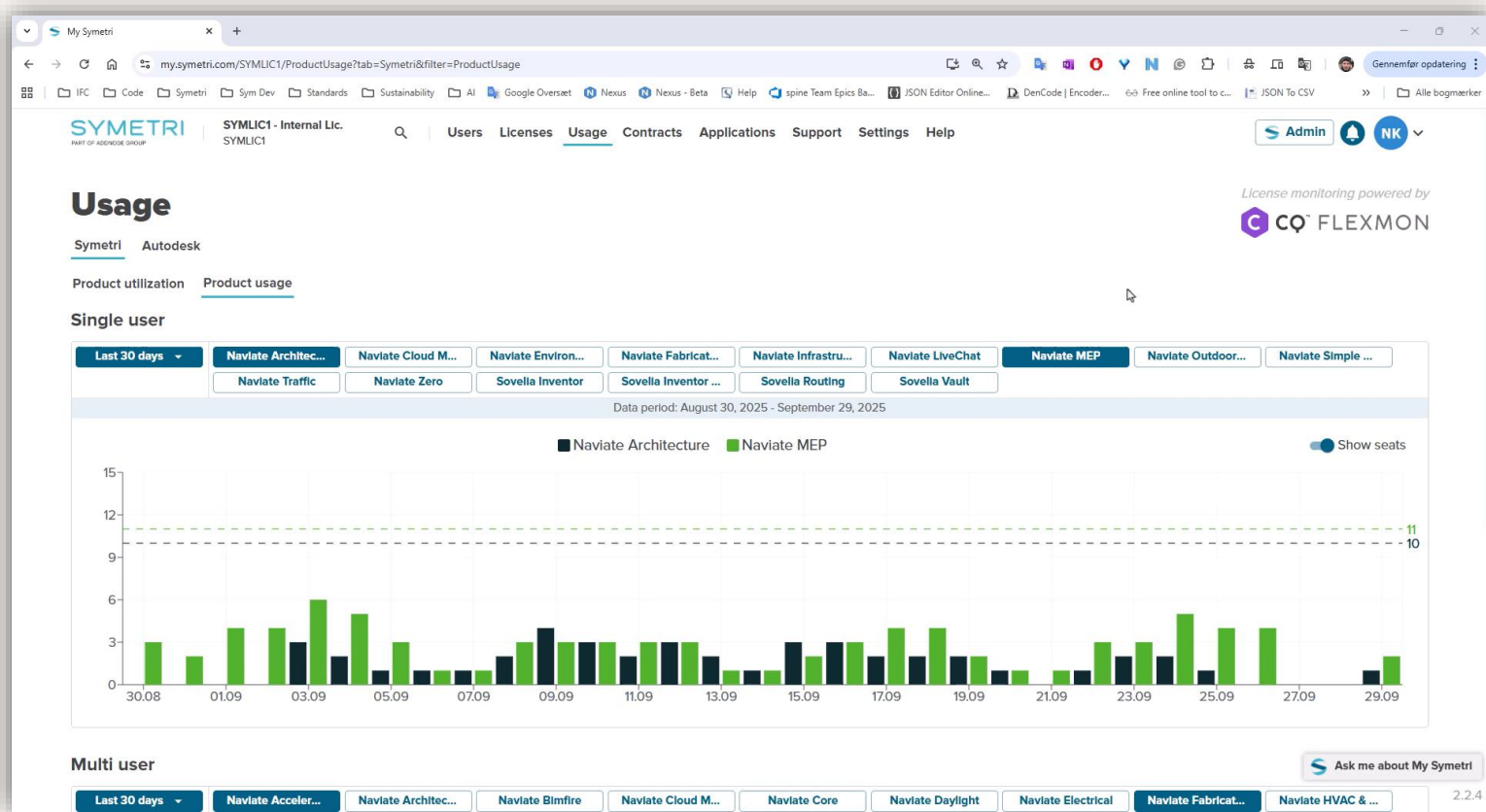


MY SYMETRI

- License overview
- Users
- Usage
- Download



ONBOARDING ASSISTANT IN MY SYMETRI





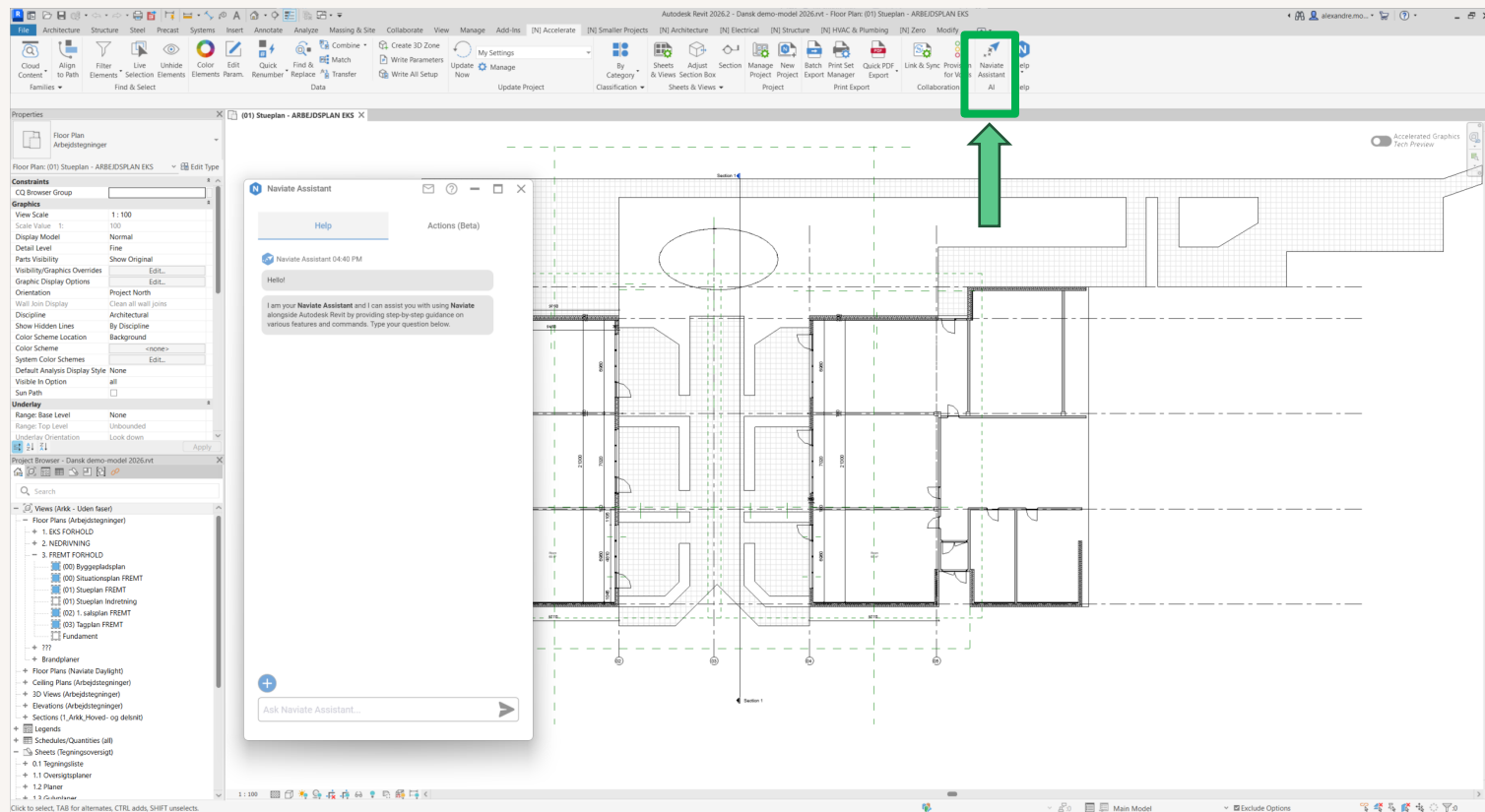
NAVIATE ASSISTANT

Navigate Assistant transforms onboarding from “read the manual” into **in-tool, just-in-time guidance**, reducing the time it takes for new users to become **productive**.

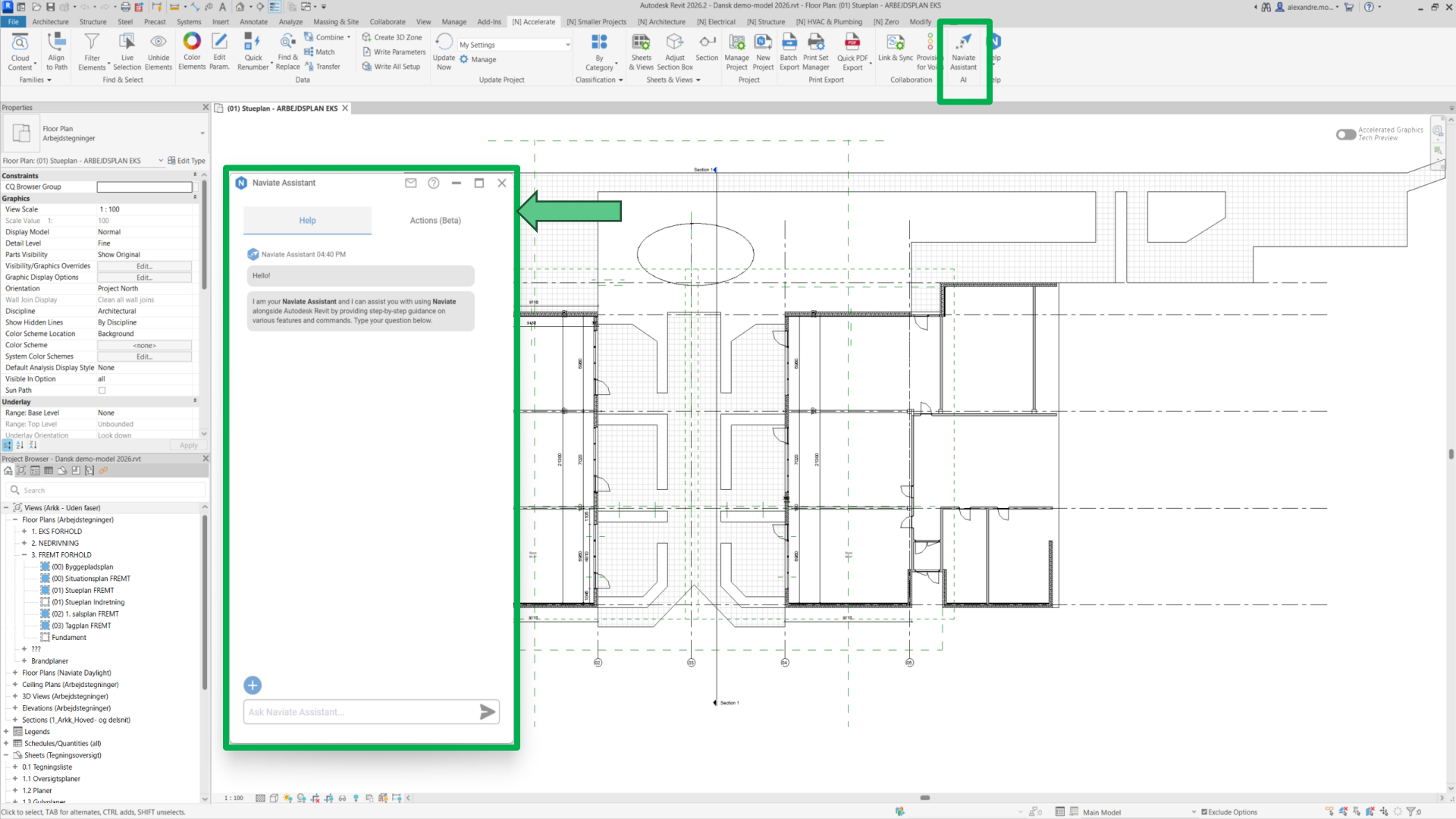
Guide offers **step-by-step instructions** along with links to the **help documentation** and additional resources.

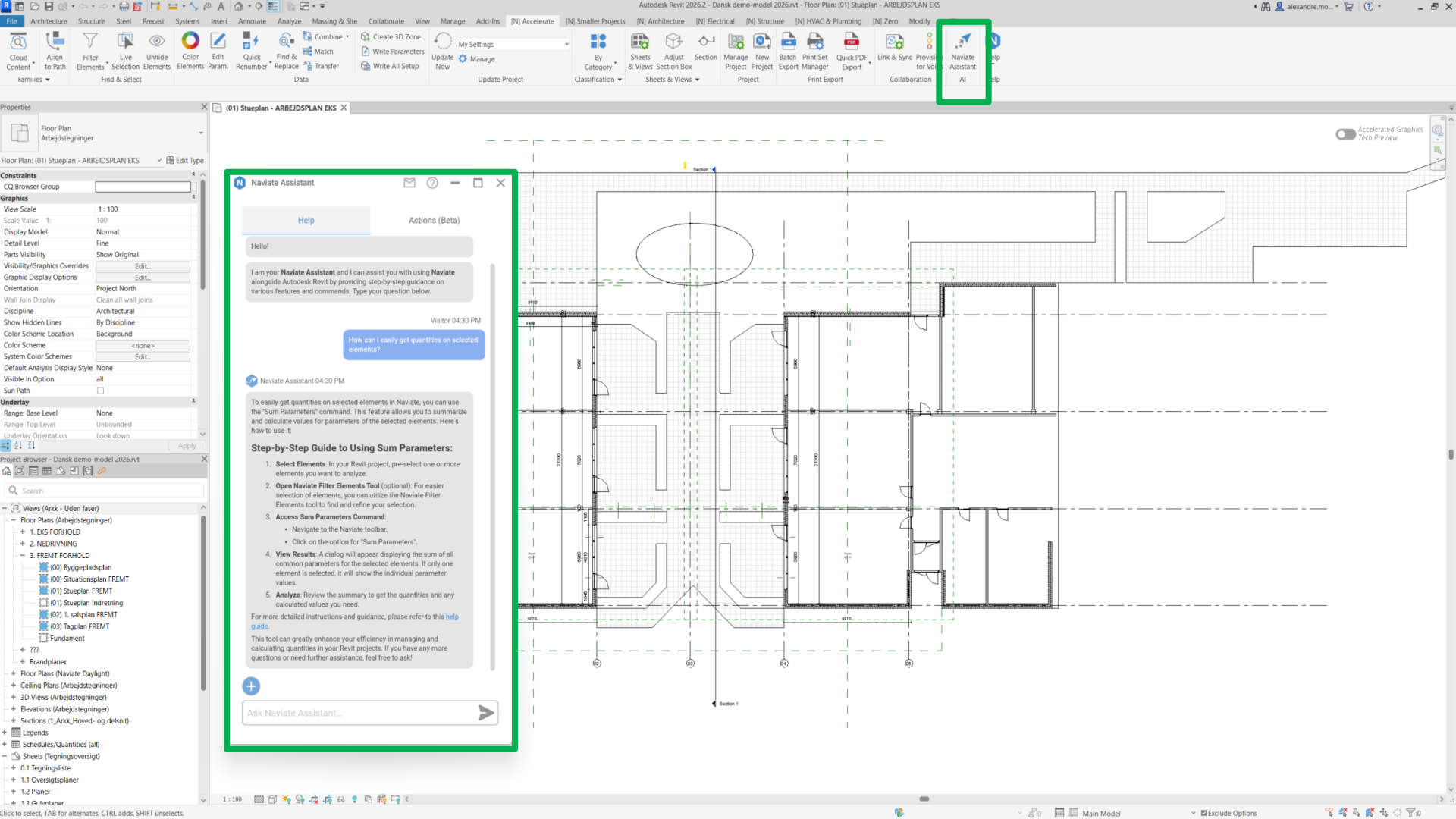
Actions can run **single** or **chained** Navigate actions on the model.

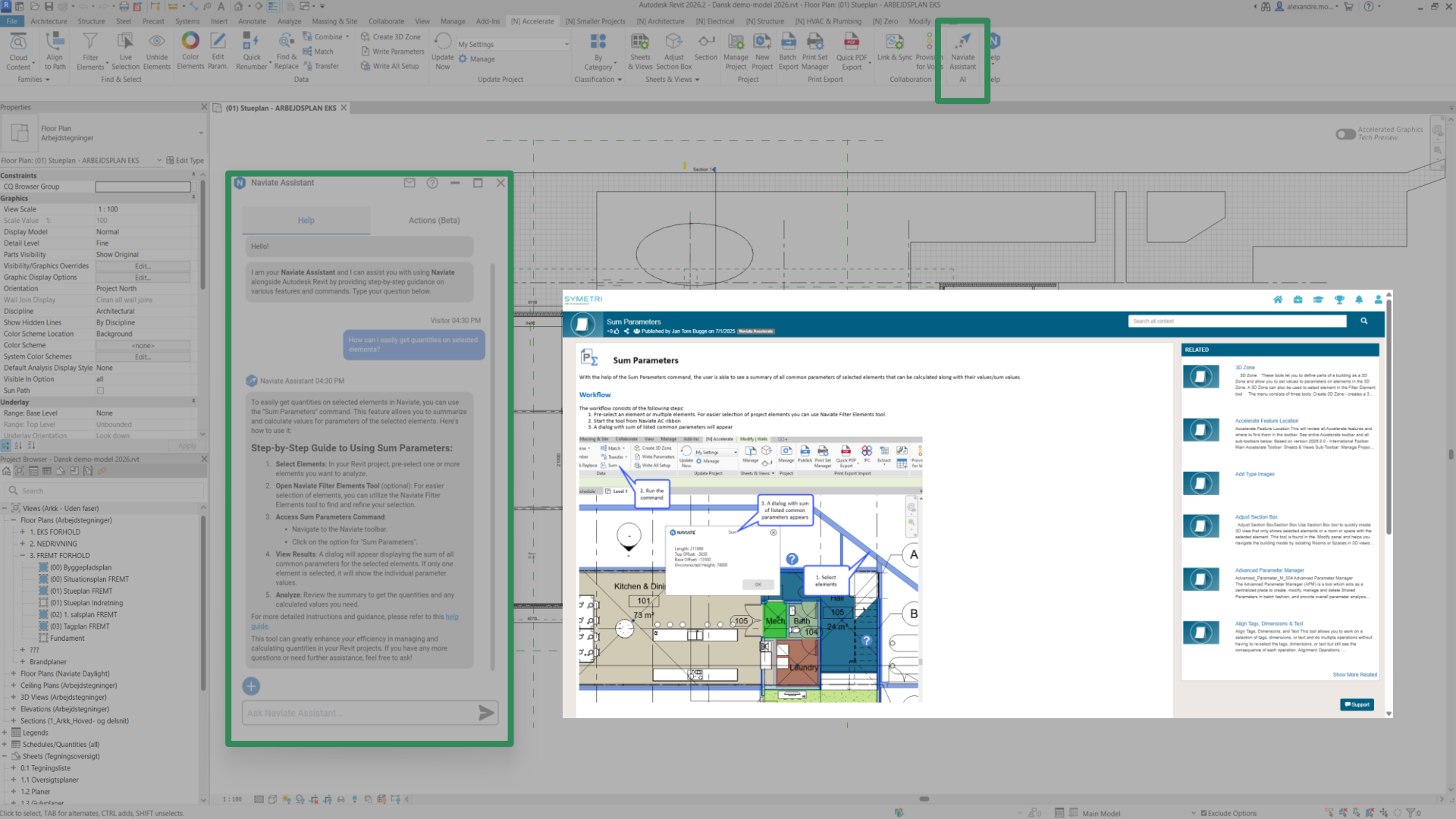
NAVIATE ASSISTANT: GUIDE



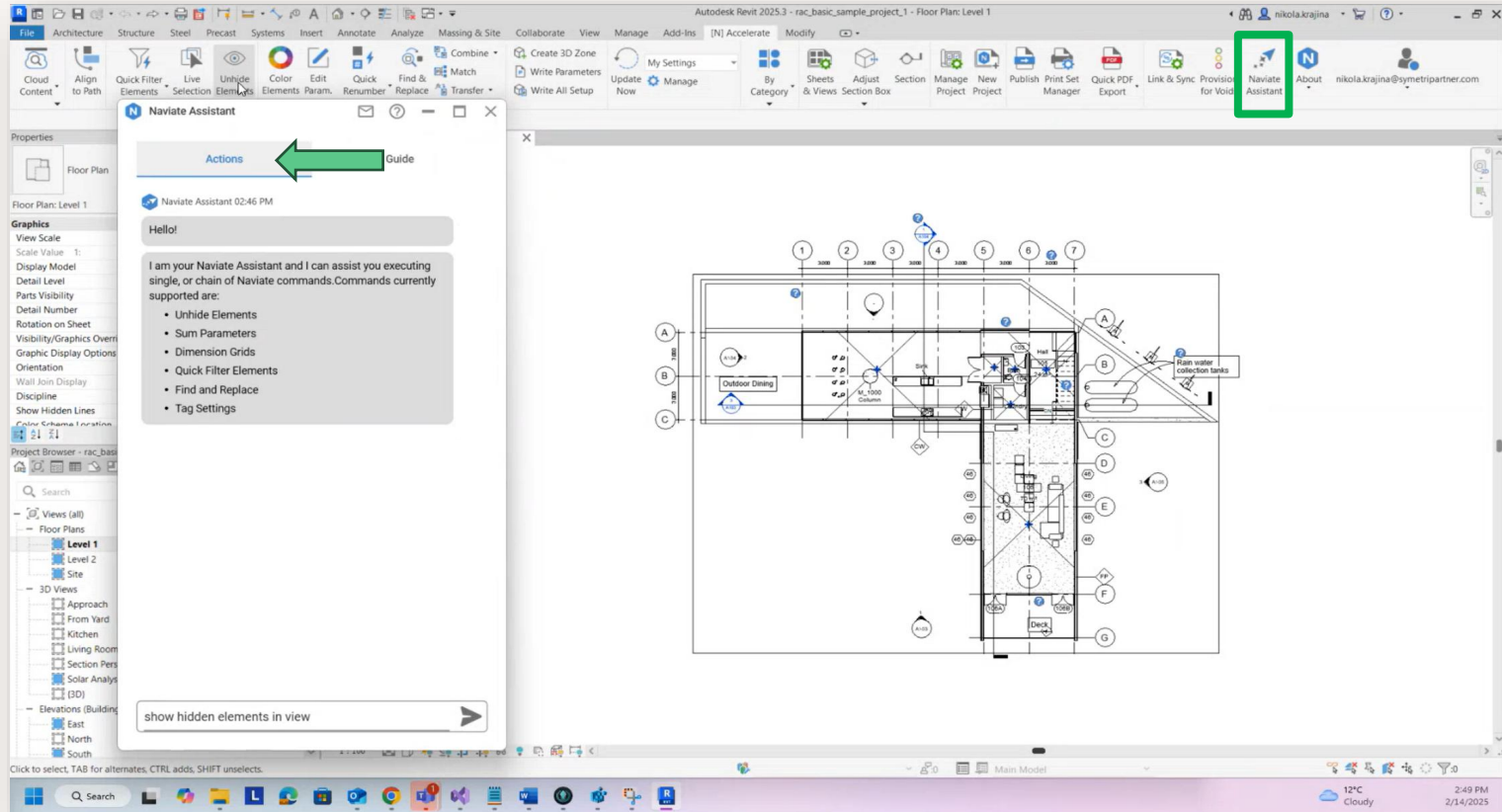
Click to select, TAB for alternates, CTRL adds, SHIFT unselects.







NAVIATE ASSISTANT: ACTIONS



Single Actions

Navigate Assistant

Actions

Guide

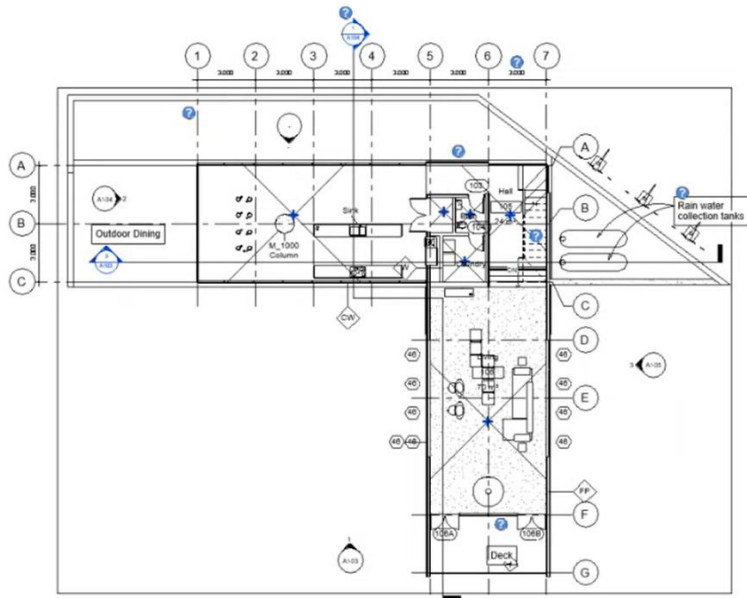
Navigate Assistant 02:46 PM

Hello!

I am your Navigate Assistant and I can assist you executing single, or chain of Navigate commands. Commands currently supported are:

- Unhide Elements
- Sum Parameters
- Dimension Grids
- Quick Filter Elements
- Find and Replace
- Tag Settings

show hidden elements in view



Naviate Assistant

About

nikola.krajina@symetripartner.com

Single Actions

Autodesk Revit 2026.1 - Snowdon Towers Sample Plumbing.rvt - Floor Plan: L2

Browser to Path Elements Selection Element Families Find & Select

Project Browser - Snowdon Towers Sample Plumbing

Views (all)

- Floor Plans
 - Model Alignment - Level Par
 - Floor Plans (Sanitary)
 - L1 - Block 35
 - L1 - Block 37
 - L1 - Block 43
 - L2**
 - L3
 - L4
 - L5
 - M1
 - Parking
 - R1
 - R2
- Floor Plans (Water)
 - PLAN L1 - Block 35 Water
 - PLAN L1 - Block 37 Water
 - PLAN L1 - Block 43 Water
 - PLAN L2 Water
 - PLAN L3 Water
 - PLAN L4 Water
 - PLAN L5 Water
 - PLAN M1 Water
 - PLAN Parking Water
 - PLAN R1 Water
 - PLAN R2 Water
- Ceiling Plans (Sanitary)
- Ceiling Plans (Water)
- 3D Views
- Elevations (Building Elevation)
- Sections (Building Section)
- Sections (Section Risers)
- Sections (Working Section)
- Drafting Views (Detail)
- Legends

Help

Actions (Beta)

Hello!

I am your **Navigate Assistant** and I can assist you in executing a single, or a chain of **Navigate Accelerate** commands. Commands currently supported are:

- Unhide Elements
- Sum Parameters
- Dimension Grids
- Quick Filter Elements
- Find and Replace
- Tag Settings
- Quick PDF Export
- Revision Manager

To learn more about Actions and prompt samples, please visit [this page](#).

Visitor 11:41 AM

Dimension My Grids

Navigate Assistant 11:41 AM

Successfully created dimensions for all grid lines in the active view.

Ask Navigate Assistant...

Navigate Assistant might make mistakes, so always review its actions in Revit.

My Settings Manage Update Project

Sheets & Views Section Box Sheets & Views

Adjust Section

Manage Project Project

New Project

Batch Export

Print Set Manager

Print Export

Quick PDF Export

Link & Sync Provision for Voids Collaboration

Navigate Assistant AI

Help

PLAN L2 Water

Accelerated Graphics Tech Preview

Properties

Floor Plan Sanitary

Floor Plan: L2

Graphics

View Scale 1/8" = 1'-0"

Scale Value 1: 96

Display Model Normal

Detail Level Fine

Parts Visibility Show Original

Detail Number 1

Rotation on Sheet None

Visibility/Graphics Overrides Edit...

Graphic Display Options Edit...

Orientation Project North

Wall Join Display Clean all wall j...

Discipline Plumbing

Show Hidden Lines By Discipline

Color Scheme Location Background

Color Scheme <none>

System Color Schemes Edit...

Default Analysis Display Style None

Sun Path

Sub-Discipline Sanitary

Underlay

Range: Base Level None

Range: Top Level Unbounded

Underlay Orientation Look down

Extents

Crop View

Crop Region Visible

Annotation Crop

View Range Edit...

Associated Level L2

Scope Box None

Depth Clipping No clip

Identity Data

View Template <None>

View Name L2

Apply

1/8" = 1'-0"

Click to select, TAB for alternates, CTRL adds, SHIFT unselects.

Main Model

Chained Actions

Autodesk Revit 2026.1 - Snowdon Towers Sample Plumbing.rvt - Floor Plan: L2

Project Browser - Snowdon Towers Sample Plumbing.rvt - Floor Plan: L2

- Views (all)
- Floor Plans
- Model Alignment - Level Par
- Floor Plans (Sanitary)
- L1 - Block 35
- L1 - Block 37
- L1 - Block 43
- L2
- L3
- L4
- L5
- M1
- Parking
- R1
- R2
- Floor Plans (Water)
- PLAN L1 - Block 35 Water
- PLAN L1 - Block 37 Water
- PLAN L1 - Block 43 Water
- PLAN L2 Water
- PLAN L3 Water
- PLAN L4 Water
- PLAN L5 Water
- PLAN M1 Water
- PLAN Parking Water
- PLAN R1 Water
- PLAN R2 Water
- Ceiling Plans (Sanitary)
- Ceiling Plans (Water)
- 3D Views
- Elevations (Building Elevation)
- Sections (Building Section)
- Sections (Section Risers)
- Sections (Working Section)
- Drafting Views (Detail)
- Legends

Help

Actions (Beta)

Naviate Assistant 11:40 AM

Hello!

I am your **Naviate Assistant** and I can assist you in executing a single, or a chain of **Naviate Accelerate** commands. Commands currently supported are:

- Unhide Elements
- Sum Parameters
- Dimension Grids
- Quick Filter Elements
- Find and Replace
- Tag Settings
- Quick PDF Export
- Revision Manager

To learn more about Actions and prompt samples, please visit [this page](#).

Visitor 11:41 AM

Dimension My Grids

Naviate Assistant 11:41 AM

Successfully created dimensions for all grid lines in the active view.

Visitor 11:46 AM

Great, can you Select the Pipes and Summarize them?

Naviate Assistant 11:46 AM

Successfully selected all Pipes in the active view.

Ask Naviate Assistant...

Naviate Assistant might make mistakes, so always review its actions in Revit.

PLAN L2 Water

Accelerated Graphics Tech Preview

NAVIA TE

Sum

Lower End Bottom Elevation: -984' - 10 21/32"
Upper End Top Elevation: -472' - 11 3/32"
Insulation Thickness: 0"
Wall Thickness: 25 3/8"
Lower End Invert Elevation: -983' - 4 1/16"
Upper End Invert Elevation: -491' - 4 1/16"
Lower End Obvert Elevation: -966' - 5 23/32"
Upper End Obvert Elevation: -474' - 0 3/16"
Lower End Bottom of Insulation Elevation: -984' - 10 21/32"
Lower End Top of Insulation Elevation: -965' - 4 5/8"
Upper End Bottom of Insulation Elevation: -492' - 5 1/8"
Lower End Top of Insulation Elevation: -472' - 11 3/32"
Upper End Bottom Elevation: -492' - 5 1/8"
Lower End Centerline Elevation: -975' - 1 21/32"
Upper End Centerline Elevation: -482' - 8 1/8"
Fixture Units: 2020
Outside Diameter: 474 7/8"
Invert Elevation: 818' - 1 7/16"
Diameter: 418"
Inside Diameter: 424 1/4"
Relative Roughness: 0.008143
Roughness: 0.03610"
Middle Elevation: -794' - 4 5/32"
Area: 928 SF
End Middle Elevation: -663' - 5 5/8"
Start Middle Elevation: -794' - 4 5/32"
Length: 726' - 6 15/16"

OK

Properties

Floor Plan Sanitary

Floor Plan: L2

Graphics

View Scale: 1/8" = 1'-0"

Scale Value: 1: 96

Display Model: Normal

Detail Level: Fine

Parts Visibility: Show Original

Detail Number: 1

Rotation on Sheet: None

Visibility/Graphics Overrides: Edit...

Graphic Display Options: Edit...

Orientation: Project North

Wall Join Display: Clean all wall j...

Discipline: Plumbing

Show Hidden Lines: By Discipline

Color Scheme Location: Background

Color Scheme: <none>

System Color Schemes: Edit...

Default Analysis Display Style: None

Sun Path: ☐

Sub-Discipline: Sanitary

Underlay

Range: Base Level: None

Range: Top Level: Unbounded

Underlay Orientation: Look down

Extents

Crop View: ☐

Crop Region Visible: ☐

Annotation Crop: ☐

View Range: Edit...

Associated Level: L2

Scope Box: None

Depth Clipping: No clip

Identity Data

View Template: <None>

View Name: L2

Apply

Click to select, TAB for alternates, CTRL adds, SHIFT unselects.

Single Actions

Navigate Assistant

Actions Guide

Navigate Assistant 02:53 PM

I need to call the functions: `getSelection -> sumParameters`

Visitor 02:53 PM

dimension grids in active view

Navigate Assistant 02:53 PM

I need to call the function: `dimensionGrids`

Visitor 02:55 PM

select elements that belong to navigate filter FurnitureLevel1

Navigate Assistant 02:55 PM

The function(s) to call was not found.

Visitor 02:56 PM

use quick filter elements and select elements that belong to navigate filter FurnitureLevel1

Navigate Assistant 02:56 PM

I need to call the function: `quickFilterElements`

Ask Naviate Assistant...

Select by Filter

Navigate Filters Revit Rule Based Filters Revit Saved Selection Filters

Filter

Add to selection

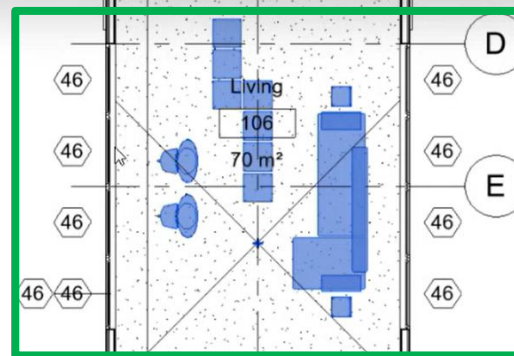
DoorsAndWindowsFilter

FurnitureLevel1

Select

Hide

Isolate





INSIGHTS

Analyses of the raw question feed gathered on the
Naviate Assistant Guide to highlight **top pain points** and **high-impact fixes**.

PAIN POINTS



Top user pain points (what we've seen)

- **Discoverability & Missing UI**

Repeated “Where is X?”

- **Data workflows & interoperability**

Export/import schedules, SOSI/IFC, Excel/DWG workflows.

- **Batch operations & automation**

Mass parameter edits, batch renumbering, and sheet templates.

- **Reliability & schema errors**

Extensible storage/schema conflicts and updater errors.

- “Where do I find the Import SOSI button?”
- “How do I export a schedule to Excel and re-import it?”
- “Can you batch change a type parameter for thousands of families?”
- “My model has schema conflicts after using a Naviate tool — how do I remove schemas?”
- “How do I place views on sheets and align them consistently?”
- “How can I color elements based on parameter values?”

SMART MATERIAL SUGGESTION

Our overarching goal is to implement a **Naviate Assistant in Zero** to enhance the user experience and, ultimately, **democratize sustainability** by simplifying a complex topic.



NAVIATE ZERO



Make smart material selections to minimize the carbon footprint in your designs:

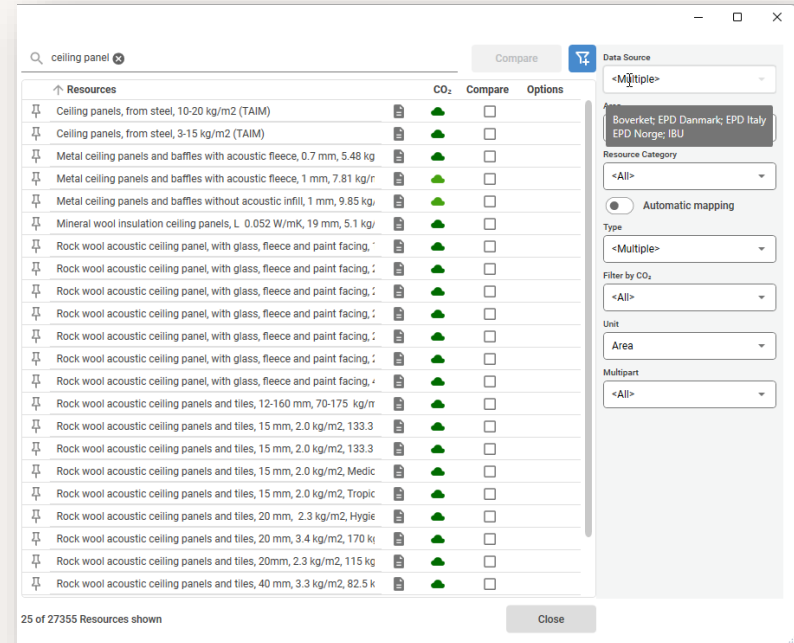
- Map elements to over 200,000 resources from an extensive library.
- Filter and Compare resources
- Visualize the total CO2e of the model



THE CHALLENGE

Navigating over 200,000 domain-specific resources presents several challenges:

- Volume of Datasets
- Variability in Formats
- Languages
- Documentation Overload
- Challenging for Non-Experts



AI FEATURES IN ZERO



ASSISTANT SEARCH

- Search using natural language
- Compare five resources side by side



FIND SIMILAR

- Find similar resources in compare tool



AUTO FILTERING

- Filter resources by Revit Category or selected parameters



QUESTIONS & ANSWERS

- Ask questions about a specific resource in the compare tool

ASSISTANT SEARCH & FIND SIMILAR

Apply Resources

Show: ☐ Selected Only

Search...

Ask your assistant...

Match all

<input type="checkbox"/>	Category	Family	Type	Resources	%	Unit
Railings						
<input checked="" type="checkbox"/>	Railings	Railing	900mm Pipe		100	Area
<input checked="" type="checkbox"/>	Railings	Railing	900mm Pipe 2		100	Area
Roofs						
<input checked="" type="checkbox"/>	Roofs	Basic Roof	Buildup - 330mm		100	Area
<input checked="" type="checkbox"/>	Roofs	Basic Roof	Buildup - 441.4mm		100	Area
<input checked="" type="checkbox"/>	Roofs	Basic Roof	Tiled Roof - 400mm		100	Area
Security Devices						
<input checked="" type="checkbox"/>	Security Devices	Temperature Alarm - W	Standard		100	Area
Stairs - Interior						
<input checked="" type="checkbox"/>	Stairs - Interior	Precast Stair	Precast Stair	Ready-mix cc	100	Volume
<input checked="" type="checkbox"/>	Stairs - Interior	Precast Stair	Precast Stair 2	Ready-mix cc	100	Volume
<input checked="" type="checkbox"/>	Stairs - Interior	Stair	Monolithic Stair	Ready-mix cc	100	Volume
<input checked="" type="checkbox"/>	Stairs - Interior	Stair	Scene Stair	Ready-mix cc	100	Volume
Structural Columns						
<input checked="" type="checkbox"/>	Structural Columns	Concrete Rectangular	150 x 300mm		100	Area
Structural Foundations						
<input checked="" type="checkbox"/>	Structural Foundation	M_Footing-Rectangular	600 x 600 x 450mm	Ready-mix cc	100	Volume
<input checked="" type="checkbox"/>	Structural Foundation	Wall Foundation	Bearing Footing - 605 x 200	Ready-mix cc	100	Volume
Structural Framing						
<input checked="" type="checkbox"/>	Structural Framing	Concrete - Rectangular	150 x 300mm	Ready-mix cc	100	Volume

Overwrite Existing Resource Mappings

0 items checked

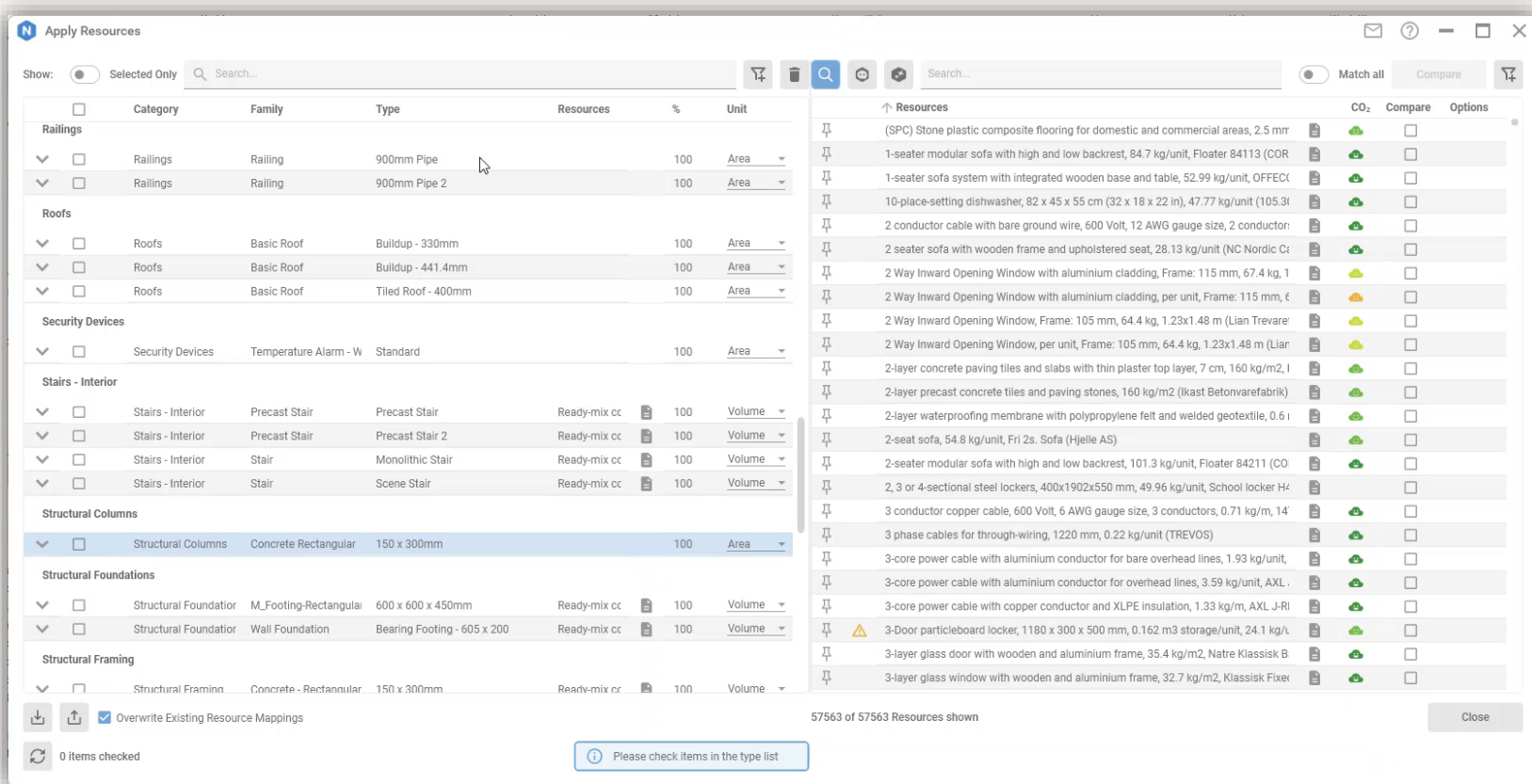
Please check items in the type list

Resources

	CO ₂	Compare	Options
10-place-setting dishwasher, 82 x 45 x 55 cm (32 x 18 x 22 in), 47.77 kg/unit (105.3l)		<input type="checkbox"/>	
2-layer concrete paving tiles and slabs with thin plaster top layer, 7 cm, 160 kg/m ² , I		<input type="checkbox"/>	
2-layer precast concrete tiles and paving stones, 160 kg/m ² (Ikast Betonvarefabrik)		<input type="checkbox"/>	
3-layer polyethylene pipe for heating applications, 16/20 mm, PERT S3 (Roth North I		<input type="checkbox"/>	
ABC powder for fire extinguisher (One Click LCA)		<input type="checkbox"/>	
Access control system, 3 VDC, SMARTair Cylinder (TESA ASSA ABLOY)		<input type="checkbox"/>	
Acoustic ceiling tiles, 20 mm, 300x2400 mm, 1.7-9.3 kg/m ² , 91-131 kg/m ³ , Rockfor		<input type="checkbox"/>	
Acoustic cement-bonded wood wool panel for walls and ceilings, unpainted, 25 mm		<input type="checkbox"/>	
Acoustic cement-bonded wood wool panel, painted, 25 mm, 11.73 kg/m ² , 469 kg/r		<input type="checkbox"/>	
Acoustic cement-bonded wood wool panel, painted, 25 mm, 11.78 kg/m ² , 471 kg/r		<input type="checkbox"/>	
Acoustic cement-bonded wood wool panel, painted, 25 mm, 11.78 kg/m ² , 471 kg/r		<input type="checkbox"/>	
Acoustic cement-bonded wood wool panel, painted, 25 mm, 11.78 kg/m ² , 471 kg/r		<input type="checkbox"/>	
Acoustic cement-bonded wood wool panel, painted, 25 mm, 13.06 kg/m ² , 523 kg/r		<input type="checkbox"/>	
Acoustic cement-bonded wood wool panel, painted, 25 mm, 469 kg/m ³ , Natural Wo		<input type="checkbox"/>	
Acoustic cement-bonded wood wool panel, painted, 25 mm, 471 kg/m ³ , Natural Gre		<input type="checkbox"/>	
Acoustic cement-bonded wood wool panel, painted, 25 mm, 507 kg/m ³ , A2 Natural		<input type="checkbox"/>	
Acoustic cement-bonded wood wool panel, painted, 25 mm, 523 kg/m ³ , A2 Natural		<input type="checkbox"/>	
Acoustic cement-bonded wood wool panel, painted, 35 mm, 13.86 kg/m ² , 402 kg/r		<input type="checkbox"/>	
Acoustic cement-bonded wood wool panel, painted, 35 mm, 13.86 kg/m ² , 402 kg/r		<input type="checkbox"/>	
Acoustic cement-bonded wood wool panel, painted, 35 mm, 14.07 kg/m ² , 402 kg/r		<input type="checkbox"/>	
Acoustic cement-bonded wood wool panel, painted, 35 mm, 14.07 kg/m ² , 402 kg/r		<input type="checkbox"/>	
Acoustic cement-bonded wood wool panel, painted, 35 mm, 14.31 kg/m ² , 409 kg/r		<input type="checkbox"/>	
Acoustic cement-bonded wood wool panel, unpainted, 25 mm, 11.22 kg/m ² , 449 kg		<input type="checkbox"/>	
Acoustic cement-bonded wood wool panel, unpainted, 25 mm, 11.59 kg/m ² , 463 kg		<input type="checkbox"/>	

4901 of 57563 Resources shown

Close



ASSISTANT QUESTIONS & ANSWERS

Compare Resources

Comparison Properties

Properties

Find similar

Apply & Close

Ready-mix concrete, 4000.0 Psi; Curing time 28d; Cement type: Manufacturer Spec

20,97691202663788 Ft3; 0,7769226678564902 Yd3; 0,0005456440989075719 Lb; 0,000272822049453786 Short ton; 0,00024359111529604472 Long ton

CO₂

Ready-mix concrete, 4000.0 Psi; Curing time 28d; Cement type: Manufacturer Specific, Mix L76E445U1 (National Ready Mix (2021); Los Angeles, 4549 Brazil Street, plant: Glendale, plant code: 5133)

594 kg Co2/ m3

0.2475 kg Co2/ kg

247.5 kg Co2/ ton

20976.91202663788 kg Co2/ Ft3

776.9226678564902 kg Co2/ Yd3

0.5456440989075719 kg Co2/ Lb

0.272822049453786 kg Co2/ Short ton

0.2435911152960447 kg Co2/ Long ton

Ready-mix concrete, 4000 PSI; Curing time 28d; Cement type: Manufacturer specifi

20,97691202663788 Ft3; 0,7769226678564902 Yd3; 0,0005456440989075719 Lb; 0,000272822049453786 Short ton; 0,00024359111529604472 Long ton; 1,2992125984251968 Ft2

Ready-mix concrete, 4000 PSI; Curing time 28d; Cement type: Manufacturer specific, Mix L76E445U1 (National Ready Mix, Glendale plant)

594 kg Co2/ m3

0.2475 kg Co2/ kg

247.5 kg Co2/ ton

120.7008 kg Co2/ m2

20976.91202663788 kg Co2/ Ft3

776.9226678564902 kg Co2/ Yd3

0.5456440989075719 kg Co2/ Lb

0.272822049453786 kg Co2/ Short ton

0.2435911152960447 kg Co2/ Long ton

1299.2125984251968 kg Co2/ Ft2

Ready-mix concrete, 4000.0 Psi; Curing time 28d; Cement type: Manufacturer Spec

21,294744027041485 Ft3; 0,7886942234300734 Yd3; 0,0005539114337395048 Lb; 0,0002769557168697525 Short ton; 0,00024728188977022724 Long ton

Ready-mix concrete, 4000.0 Psi; Curing time 28d; Cement type: Manufacturer Specific, Mix L76E445U1 (National Ready Mix (2021); Artesia, 11725 E. Artesia Blvd., plant: Artesia, plant code: 5138)

603 kg Co2/ m3

0.25125 kg Co2/ kg

251.25 kg Co2/ ton

21294.744027041485 kg Co2/ Ft3

788.6942234300734 kg Co2/ Yd3

0.5539114337395048 kg Co2/ Lb

0.27695571686975246 kg Co2/ Short ton

0.24728188977022722 kg Co2/ Long ton

Resource name

Resource category

Biogenic CO2 storage

Country

Area(s)

Manufacturer

Product name

Data source number

Data source

Issue date

Standard

Product category rules (PCR)

Type

Ready-mix concrete for foundations and internal walls

N/A

California

California United States

National Ready Mix (2021); Los Angeles, 4549 Brazil Street, plant: Glendale, plant code: 5133

Mix L76E445U1

CE-ASTM-L76E445U1NationalReadyMix2021Glendale

ASTM

2021

ISO 14040

-

Plant

Ready-mix concrete for foundations and internal walls

N/A

California

California United States

National Ready Mix, Glendale plant

Mix L76E445U1

N/A

ASTM

2021

ISO 14040

PCR for Concrete, NSF International, August 2021 v2.1

Plant

Ready-mix concrete for foundations and internal walls

N/A

California

California United States

National Ready Mix (2021); Artesia, 11725 E. Artesia Blvd., plant: Artesia, plant code: 5138

Mix L76E445U1

CE-ASTM-L76E445U1NationalReadyMix2021Artesia

ASTM

2021

ISO 14040

-

Plant

Impact from Cement: 0.0%; natural aggregate (ASTM C33), lightweight aggregate (ASTM C330), Portland cement (ASTM C150), batch water (ASTM C1602), admixture (ASTM C494), admixture (ASTM C260); Admixture (plasticizing): EFCA EPD, 2015, Admixture (air-entraining): EFCA EPD, Europe 2015, Admixture (waterproofing): EFCA EPD, 2015, Portland Cement: Supplier specific primary data,

Impact from Cement: 0.0%; natural aggregate (ASTM C33), lightweight aggregate (ASTM C330), Portland cement (ASTM C150), batch water (ASTM C1602), admixture (ASTM C494), admixture (ASTM C260); Admixture (plasticizing): EFCA EPD, 2015, Admixture (air-entraining): EFCA EPD, Europe 2015, Admixture (waterproofing): EFCA EPD, 2015, Portland Cement: Supplier specific primary data,

Impact from Cement: 0.0%; natural aggregate (ASTM C33), lightweight aggregate (ASTM C330), Portland cement (ASTM C150), batch water (ASTM C1602), admixture (ASTM C494), admixture (ASTM C260); Admixture (plasticizing): EFCA EPD, 2015, Admixture (air-entraining): EFCA EPD, Europe 2015, Admixture (waterproofing): EFCA EPD, 2015, Portland Cement: Supplier specific primary data,

Select a resource and click "Navigate Assistant" to open the chat interface. You can then ask questions about the selected resource.

Wrapped

Close

ASSISTANT QUESTIONS AND ANSWERS

NATIONAL READY MIX

ENVIRONMENTAL PRODUCT DECLARATION

Mix L76E445U1 • Glendale Plant



NATIONAL READY MIXED CONCRETE COMPANY

LIFE CYCLE ASSESSMENT

SYSTEM BOUNDARY

This EPD is a cradle-to-gate EPD covering the product stages (A1-A3) only

PRODUCTION Stage (Mandatory)			CONSTRUCTION Stage		USE Stage					END-OF-LIFE Stage			
Extraction and upstream production	Transport to factory	Manufacturing	Transport to site	Installation	Use	Maintenance	Repair	Replacement	Refurbishment	Deconstruction/ Demolition	Transport to waste processing or disposal	Waste processing	Dispose of waste
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	C1	C2	C3	C4

CUT-OFF

Items excluded from system boundary include: production, manufacture, and construction of manufacturing capital goods and infrastructure; production and manufacture of production equipment, delivery vehicles, and laboratory equipment; personnel-related activities (travel, furniture, and office supplies); and energy and water use related to company management and sales activities that may be located either within the factory site or at another location.

ALLOCATION PROCEDURE

Allocation follows the requirements and guidance of ISO 14044:2006, Clause 4.3.4.

The product category rules for this EPD recognize fly ash, silica fume and slag as waste products recovered materials and thus the environmental impacts allocated to these materials are limited to the treatment and transportation required to use as a concrete material input.

Glendale Plant is a truck (transit) mixing plant. 30% of all mixing truck(fleet) energy has been allocated to module A3.

LIFE CYCLE INVENTORY (LCI)

This EPD was calculated using industry average cement data. Cement LCA impacts can vary depending upon manufacturing process, efficiency and fuel source by as much as 50% for some environmental impact categories. Cement accounts for as much as 71% of the impacts of the concrete mixes included in this EPD and thus manufacturer specific cement impacts could result in variation of as much as 35%.



Naviate Assistant

You 05:04

What is the allocation procedure of this EPD?



Naviate Assistant

The allocation procedure for this EPD follows the requirements and guidance outlined in ISO 14044:2006, Clause 4.3.4. In this instance, the product category rules recognize fly ash, silica fume, and slag as waste products that are considered recovered materials. Consequently, the environmental impacts allocated to these materials are limited to the treatment and transportation required to utilize them as input materials for concrete. Additionally, since the Irvine Plant operates as a truck (transit) mixing plant, 30% of the energy used by all mixing trucks in the fleet has been allocated to module A3.

You 05:05

Hvad er fordelingsproceduren for denne EPD?



Naviate Assistant

Fordeleingsproceduren for denne EPD følger kravene og vejledningen fra ISO 14044:2006, Clause 4.3.4. I henhold til produktkategori reglerne for denne EPD betragtes flyveaske, silicafume og slagg som affaldsprodukter, der er genvundne materialer. Derfor er de miljøpåvirkninger, der er tildelt disse materialer, begrænset til den behandling og transport, der kræves for at bruge dem som indgangsmaterialer til beton. Derudover er 30% af energien fra mixinglastbilerne blevet tildelt modul A3.



NAVIATE ASSISTANT

Guide to provide the same **step-by-step instructions** along with links to the help documentation, but for **native Revit** features.

Actions implement support for further Naviate actions to support more **advanced workflows**.

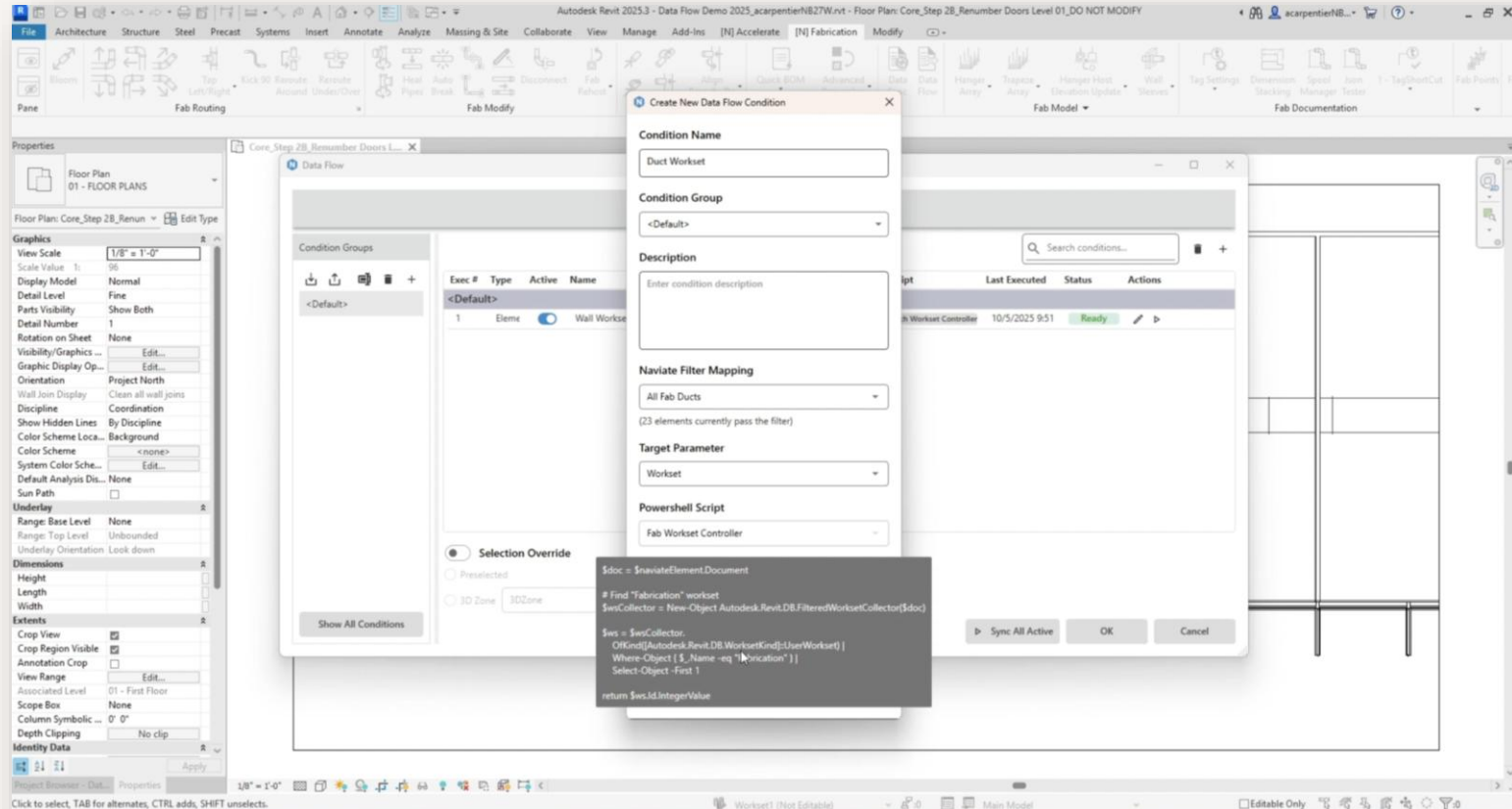
DATA FLOW SCRIPT GENERATOR

The **Naviate Fabrication Data Flow** easily automates Revit Element data synchronization with custom **PowerShell scripts** driven by user-defined conditions.

The team is implementing **AI** to assist users in generating and updating scripts using **regular semantics**.



CREATE DATA FLOW CONDITION





FEEDBACK SYSTEM

Assistant Guide: Provide the user with **thumbs** up/down and add a **comment** on the responses.

Assistant Actions: The same options as in the Guide, but the system will **learn** from the feedback and reuse good responses to gain **faster responses**.

Assistant in Zero: More granular **1-5 rating** and addition of **Categories** like Correctness, Usefulness, Relevance, Accuracy, and Speed.

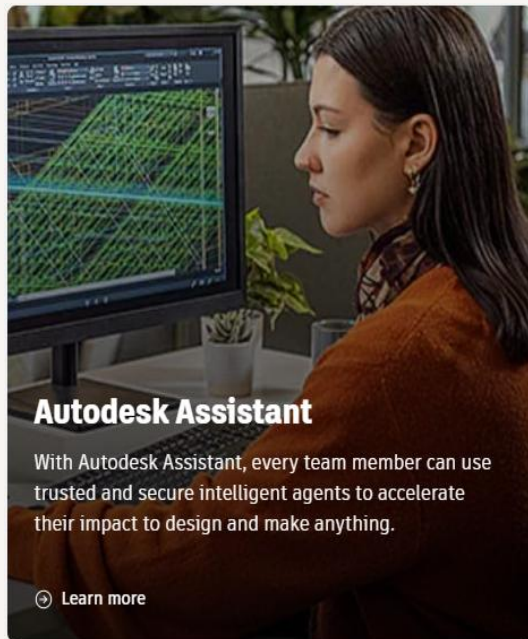
03

RESEARCH

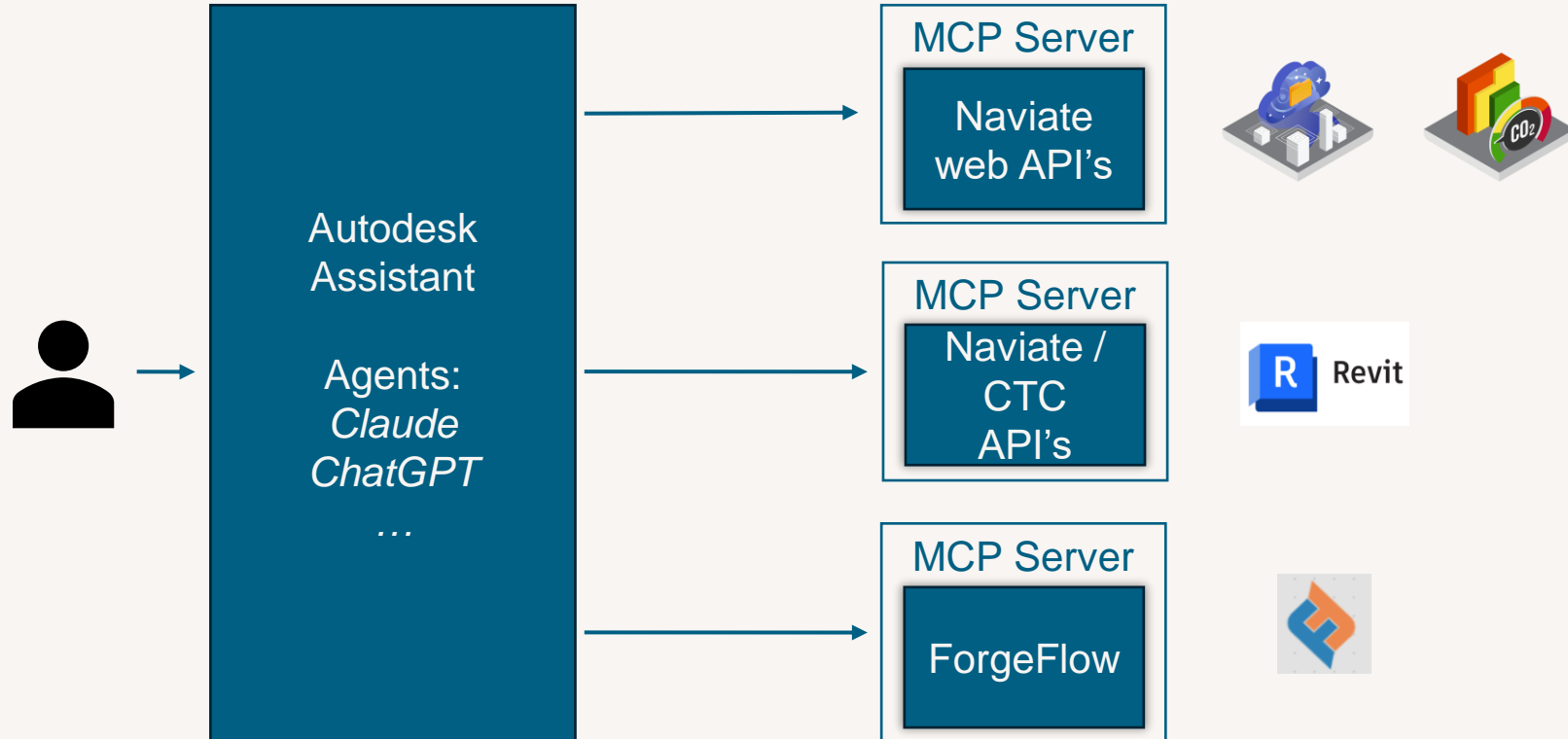


Long-term plans and survey

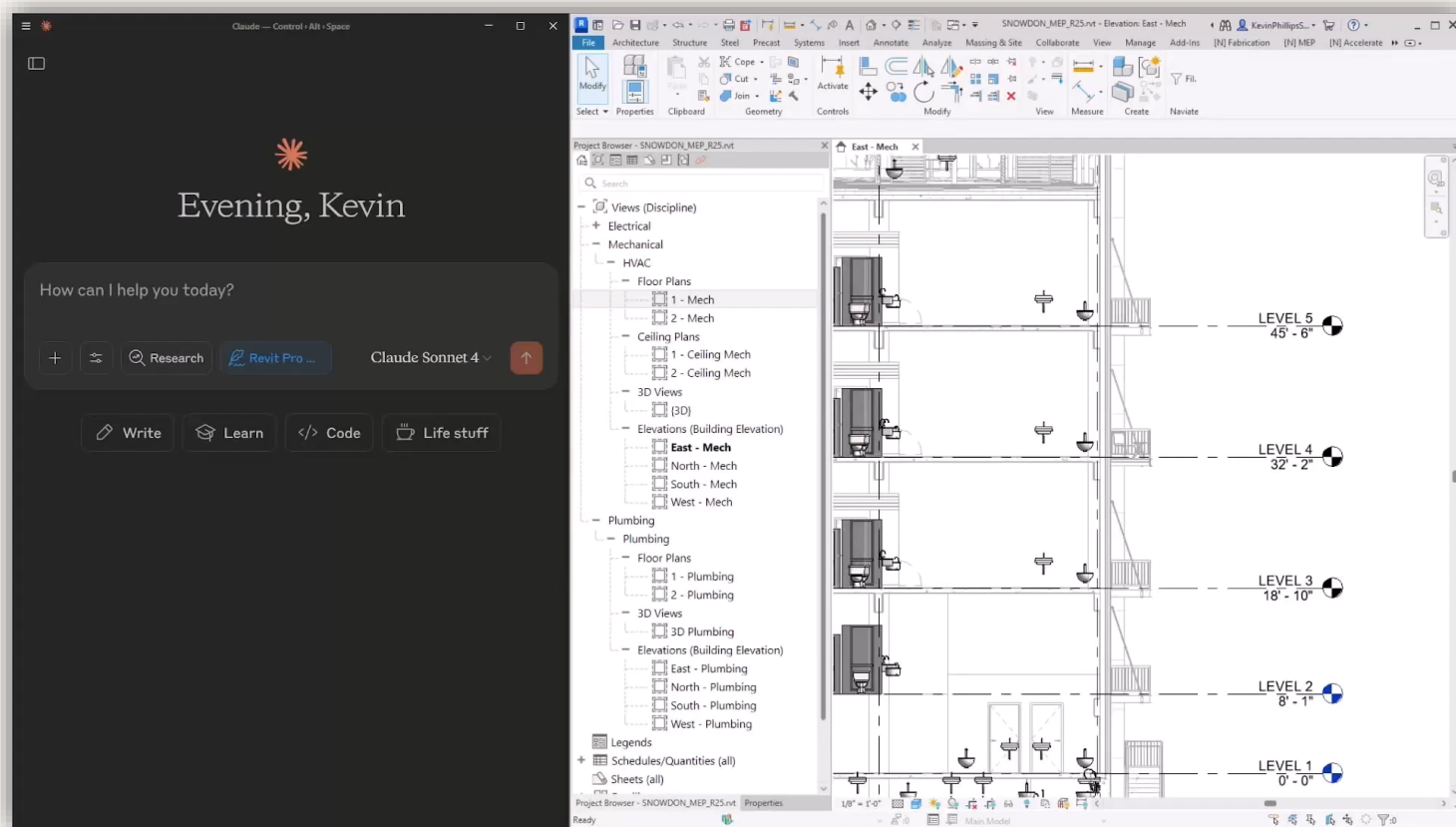
AUTODESK AI



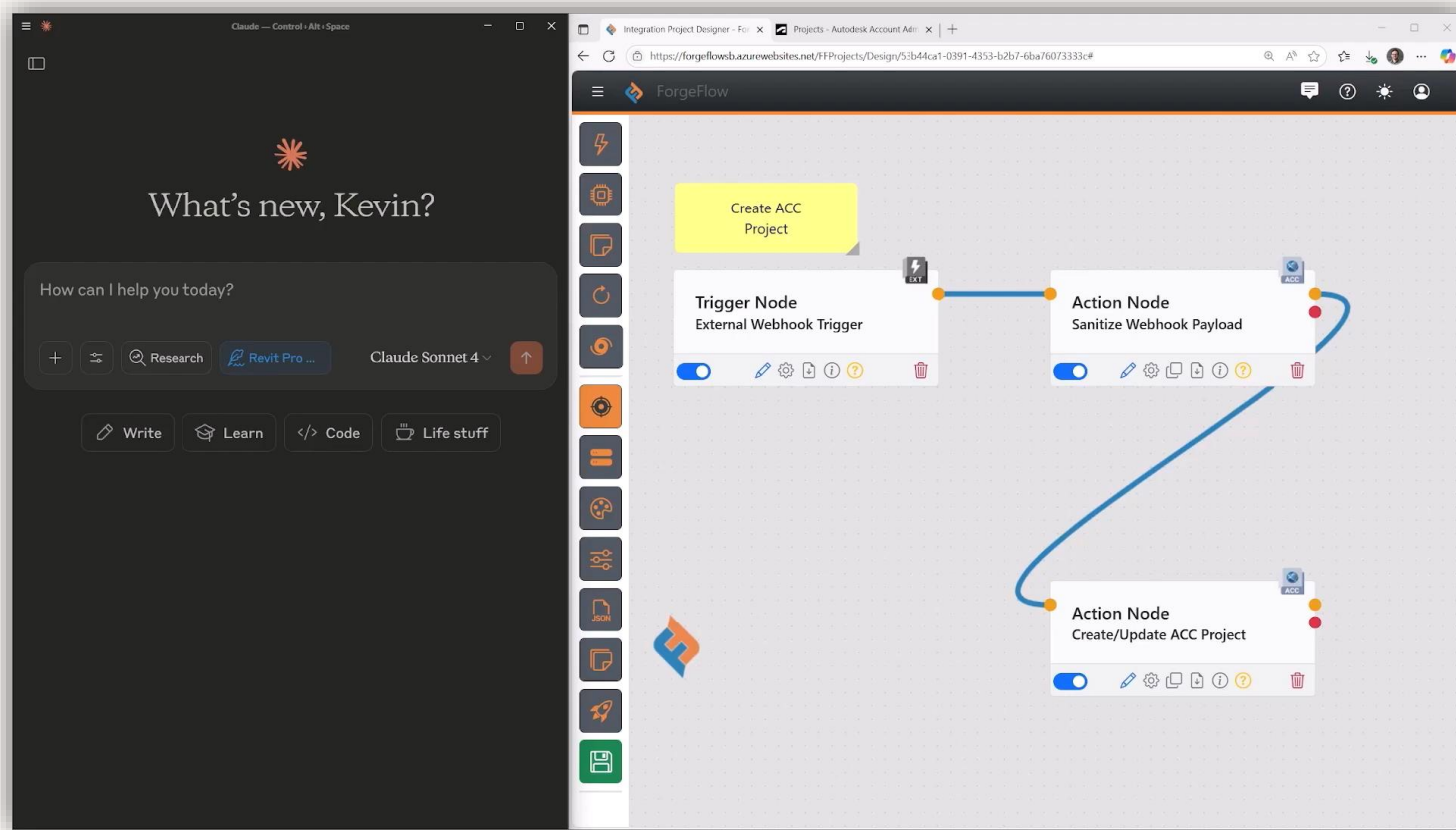
PROVIDING MCP SERVERS FOR 3-PART



BIM AUTOMATION USING CLAUDE: LEVELS & VIEWS



FORGE FLOW USING CLAUDE: CREATE ACC PROJECT



AUTODESK AI



Autodesk Assistant

With Autodesk Assistant, every team member can use trusted and secure intelligent agents to accelerate their impact to design and make anything.

[Learn more](#)

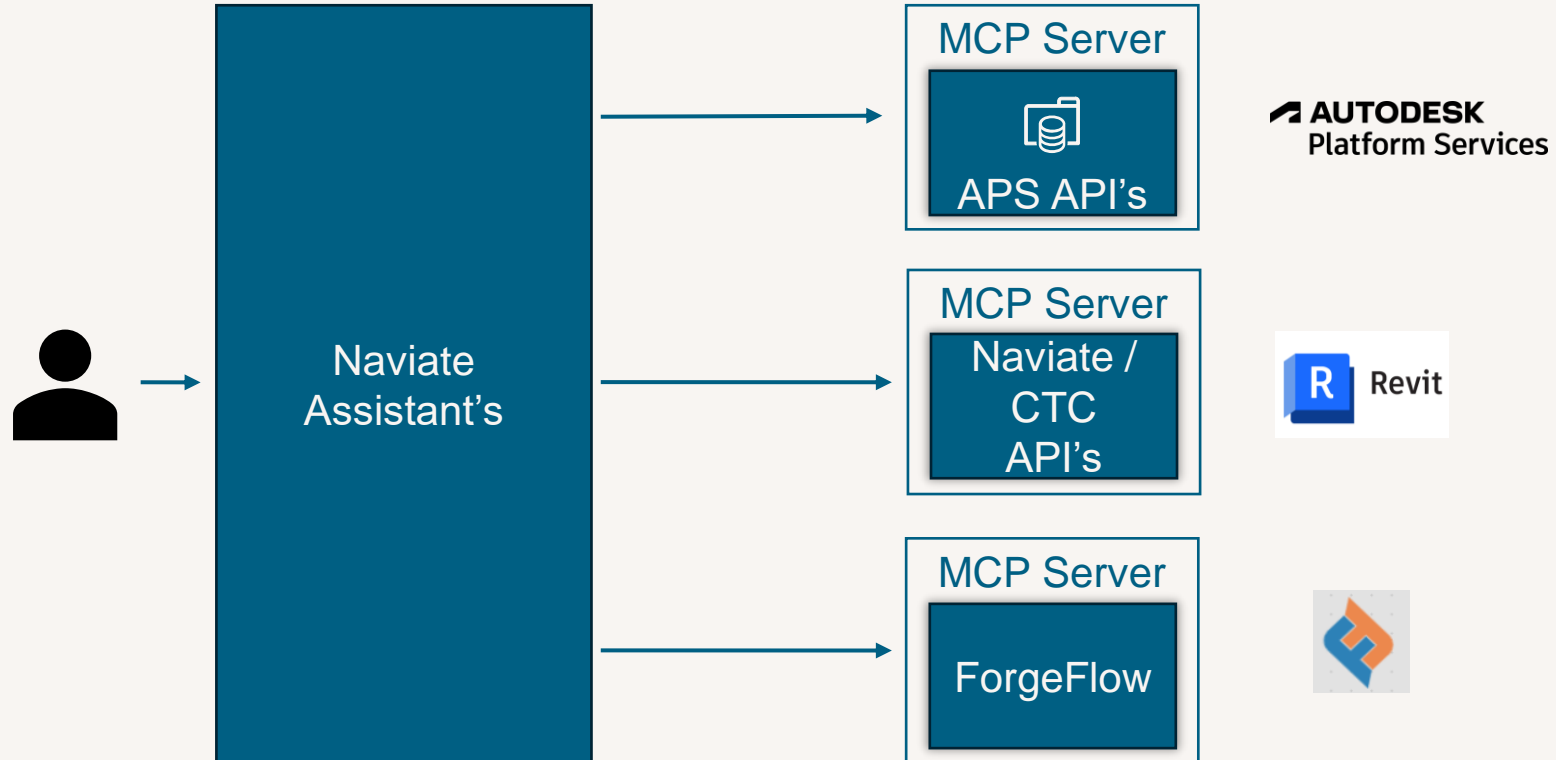


Autodesk MCP Servers

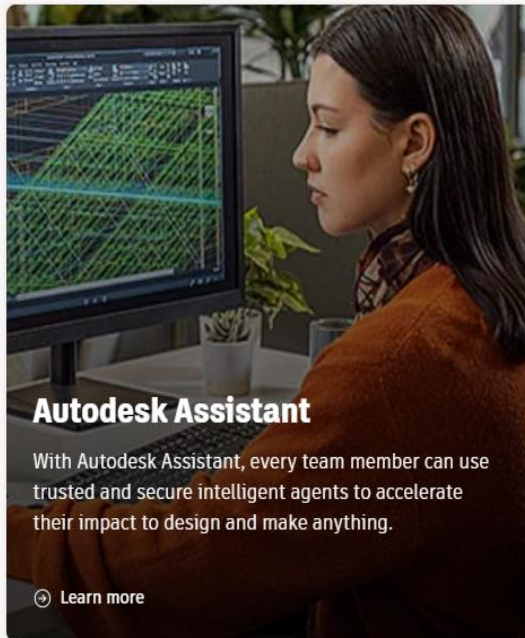
Autodesk MCP servers standardize design and make context to enable seamless, secure, and scalable collaboration across tools and teams.

[Learn more](#)

CONSUMING MCP SERVERS



AUTODESK AI



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With Autodesk Assistant, every team member can use trusted and secure intelligent agents to accelerate their impact to design and make anything.

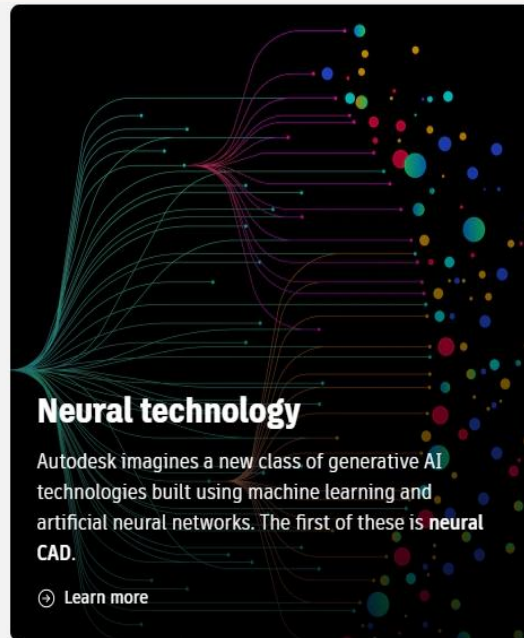
[Learn more](#)



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Autodesk MCP servers standardize design and make context to enable seamless, secure, and scalable collaboration across tools and teams.

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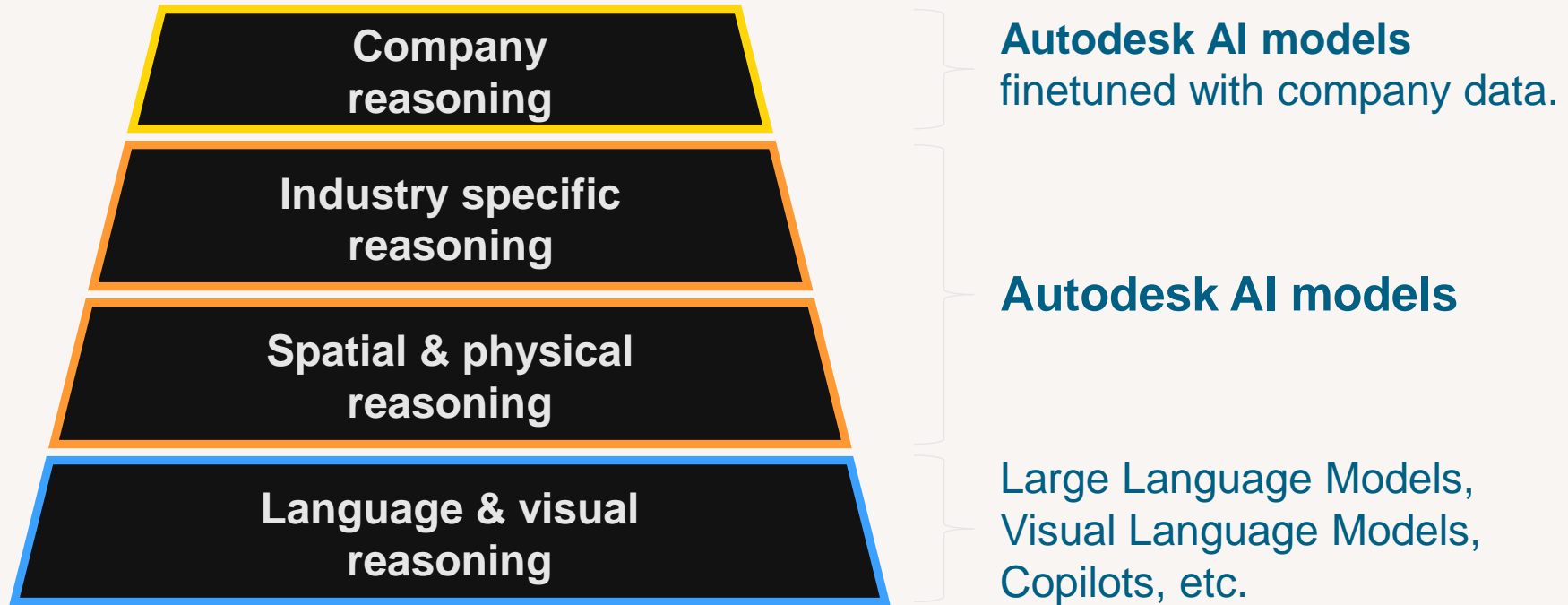


Neural technology

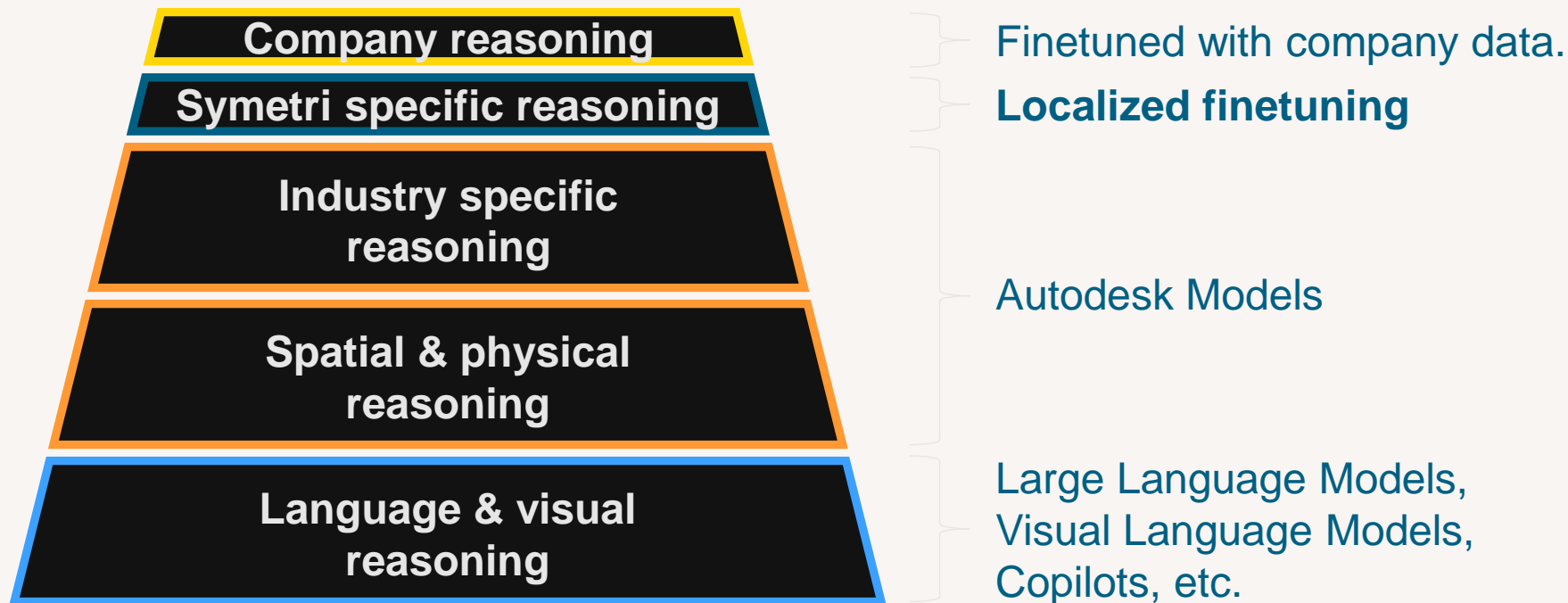
Autodesk imagines a new class of generative AI technologies built using machine learning and artificial neural networks. The first of these is **neural CAD**.

[Learn more](#)

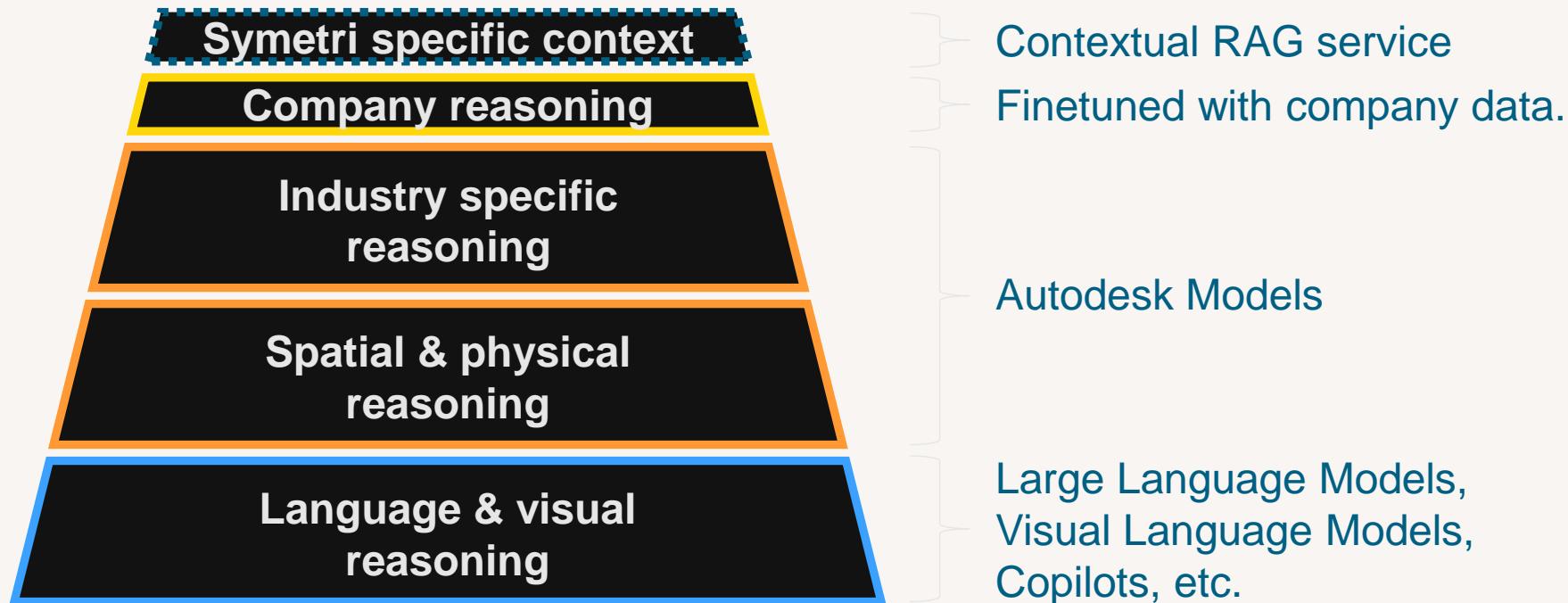
HIERARCHY OF AUTODESK AI MODELS



SYMETRI LOCALIZATION WITH INDUSTRY KNOWLEDGE



SYMETRI LOCALIZATION WITH INDUSTRY KNOWLEDGE



04

PRIVACY



Measures to ensure privacy in AI offerings

PRIVACY



Customer privacy is a constant concern for Symetri.:

- **Data Privacy by design:** Minimize, mask, and retain only what's needed. No training, only optimization.
- **Traceability:** Log model inputs/outputs for audit without storing sensitive payloads.
- **Regulatory Compliance:** Adopting privacy regulations like GDPR, CCPA, and aligning with the EU AI Act obligations.
- **Data residency:** Regional hosting in Sweden.
- **Consent:** Our systems allow users to opt out of AI features.



QUESTIONS?





SYMMETRI
THANK YOU!

PART OF ADDNODE GROUP