

VERSION 26.0.0 (26.01.2026)

X-BIM CAD BROWSER

QUICK GUIDE

*TROX COMPONENTS, X-CUBE AIR
HANDLING UNITS AND TROX X-FANS*



X-BIM CAD BROWSER



1. Introduction and Overview

- What is the X-BIM CAD Browser, and for whom [S.3 – S.5]

2. Installation and Updates [S.6 – S.11]

3. Use of the X-BIM CAD Browser

- Basic functions and utilisation strategies [S.12 – S.17]
- Configuring and importing TROX components [S.18 – S.23]
- EPF projects as a basis for BIM data [S.24 – S.29]
- Configuring and importing TROX AHUs [S.30 – S.42]
- Configuring and importing TROX X-FANS [S.43 – S.50]

4. Further information [S.51 – S.53]

INTRODUCTION AND OVERVIEW

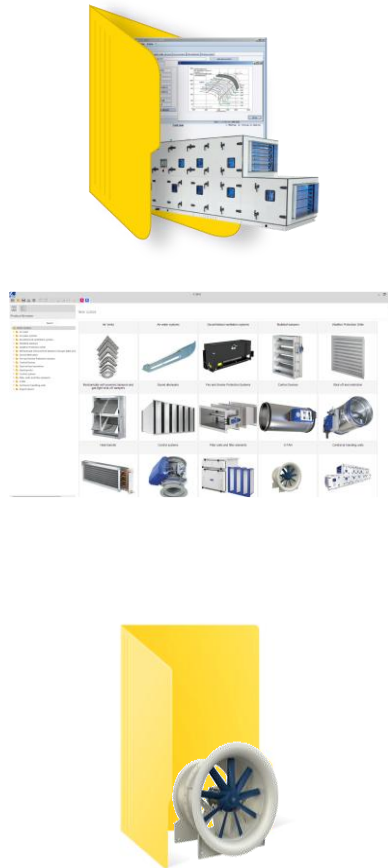


The X-BIM CAD Browser ...

- > Developed for simple and reliable planning
- > 3D planning is an established standard in engineering and design offices
- > Manufacturer product data is essential for professional and compliant planning
- > TROX components, air handling units, and X-FANS can be used directly in Revit & AutoCAD
- > Export to DWG, DXF, and IFC is possible
- > Compatible with nearly all model-based planning tools

The X-BIM CAD Browser concept

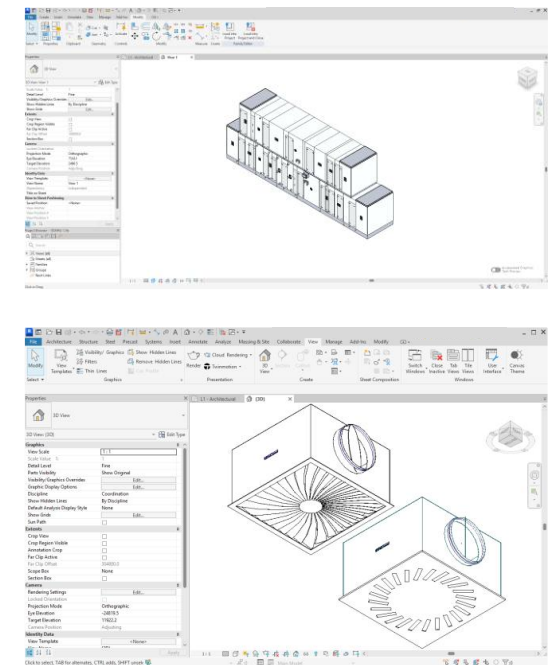
TROX data source



X-BIM CAD Browser



Use in design software



INSTALLATION AND UPDATES

General installation and update instructions

1. Before the update: Close the installed X-BIM CAD Browser
2. The free installation file is available in the BIM section of the TROX website as well as at liNear (linear.eu → Data sets → TROX)
3. After installation/update: Restart Revit or AutoCAD to ensure proper detection and integration

THE X-BIM CAD BROWSER

... is a joint development between TROX and liNear to make designing easier for you. It is a quick and safe way to get data records for TROX components and TROX air handling units and use them for your Revit and AutoCAD applications.

TROX COMPONENTS

The browser retrieves data for TROX components via an interface from our proven Easy Product Finder software. Just select a product type using the X-BIM CAD browser. Next, configure any variant using the familiar EPF GUI and send the configuration data to the X-BIM CAD browser.

It takes but a mouse click to transfer data for any selected component from the X-BIM CAD browser to your current Revit or AutoCAD project.

X-CUBE AIR HANDLING UNITS

The procedure is similar for configurable X-CUBE air handling units. Ask your TROX sales representative for a project-specific data record. Enter this data record into the X-BIM CAD browser. Your X-CUBE model is then available for integration into your Revit or AutoCAD project.

The X-BIM CAD browser is available free of charge. Download the browser here – and get started immediately!

If you have any questions or would like to discuss further please contact the TROX Design and Engineering Team.

[Download short guide X-BIM CAD Browser](#)

[Download X-BIM CAD Browser V25.0.0 \(Revit 2022-2025\)](#)

[Download X-BIM CAD Browser V24.1.0 \(Revit 2021-2024\)](#)



DEMO X-BIM TO REVIT X-CUBE

DEMO X-BIM TO REVIT COMPONENTS

LINEAR Software Services Blog Shop **FREE TRIAL**



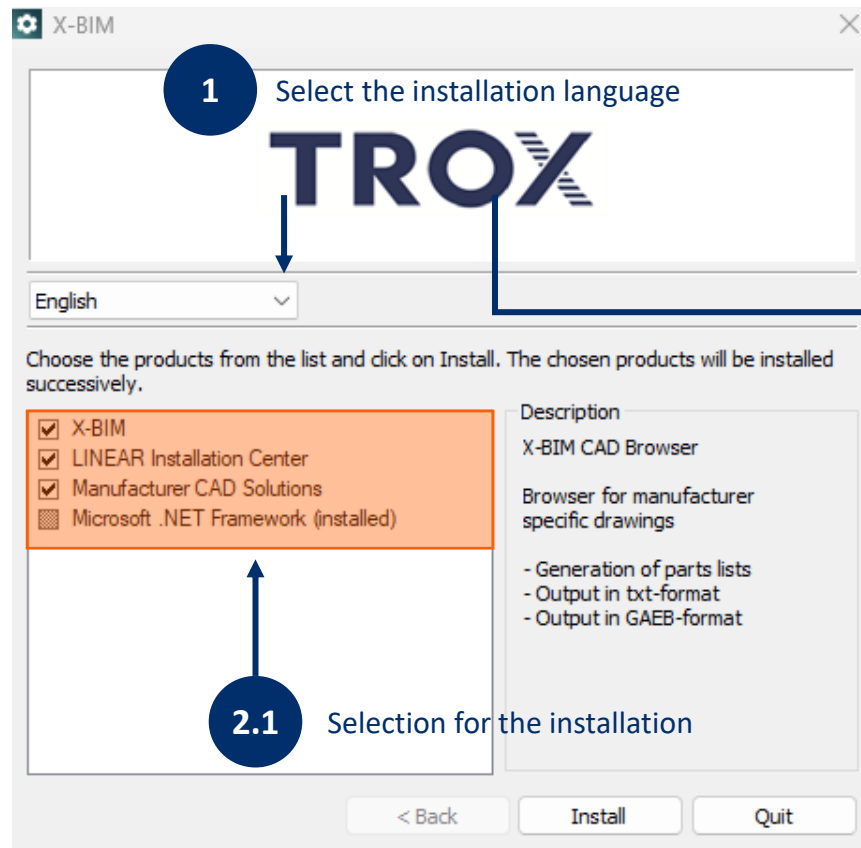
TROX[®] TECHNIK
The art of handling air

The art of handling air

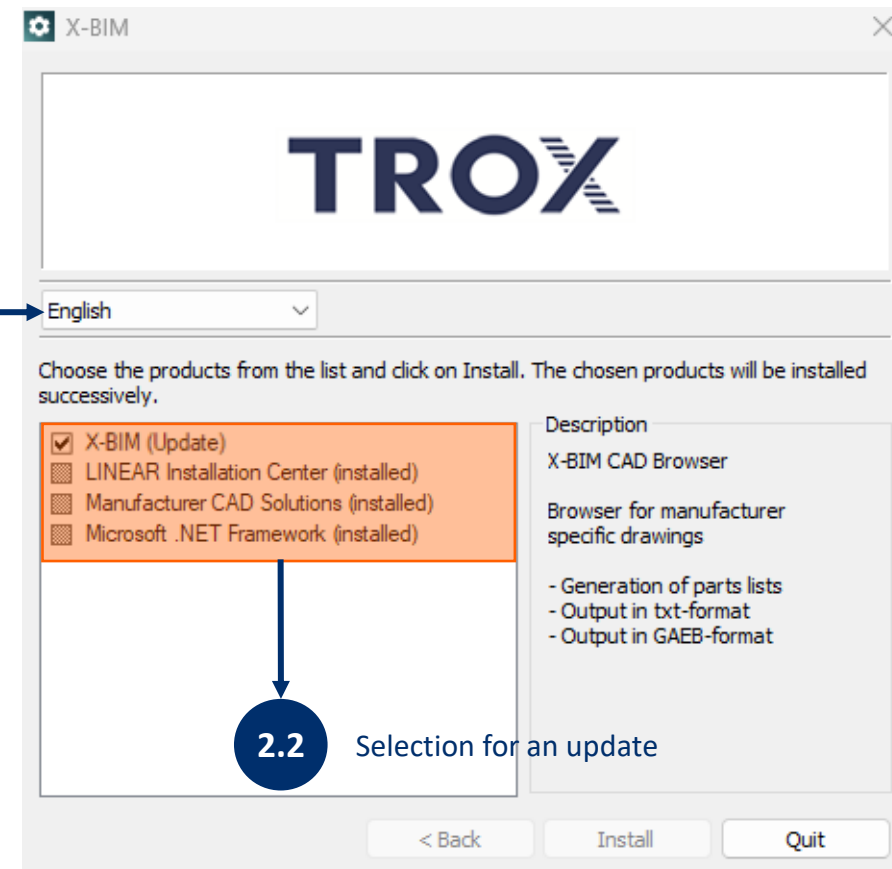
TROX understands the art of competently handling air like no other company. Since its foundation in 1951, TROX has been developing and producing high-quality components, pieces and systems for air conditioning in rooms as well as for fire and smoke protection. Through intensive research and development activities, TROX has become a globally renowned leader in the field of efficient and networked air conditioning and ventilation systems.

To the TROX website

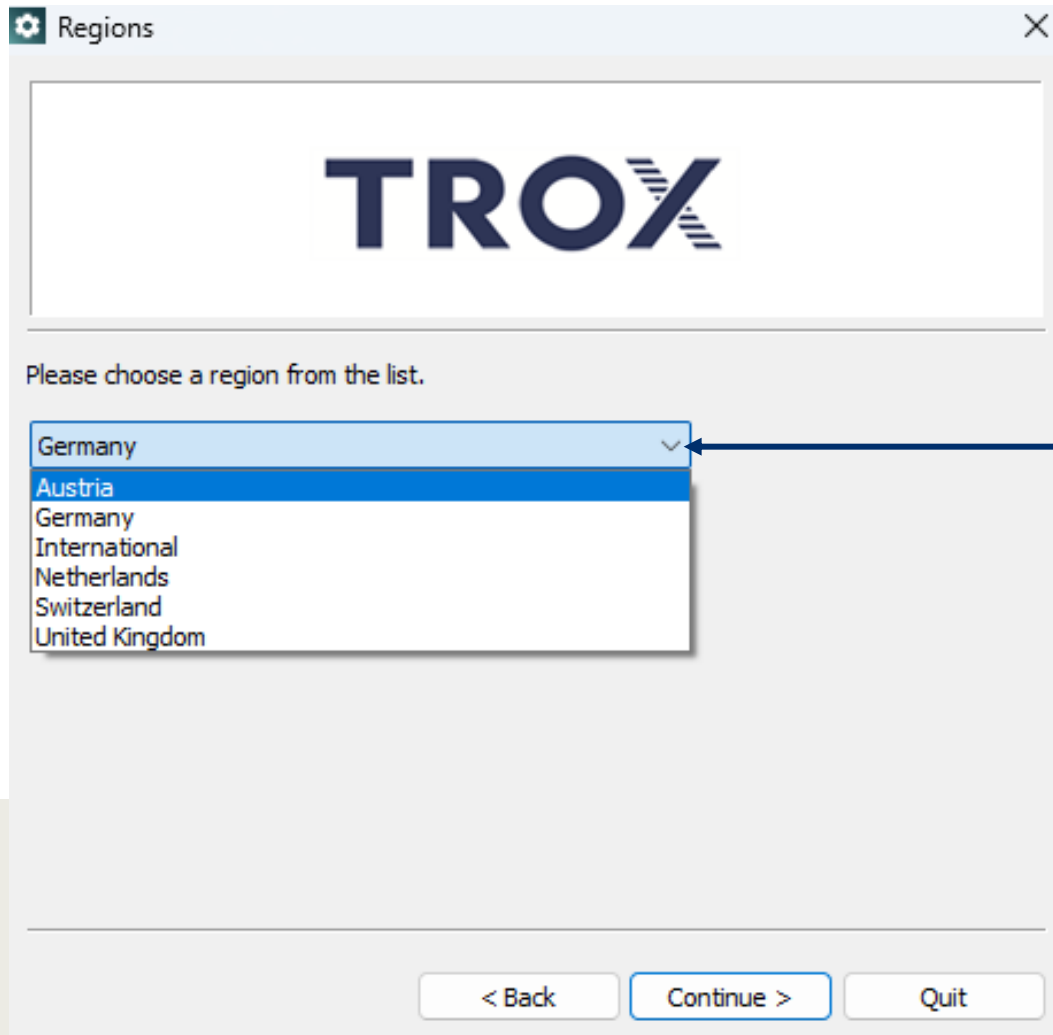
Initial installation



Update

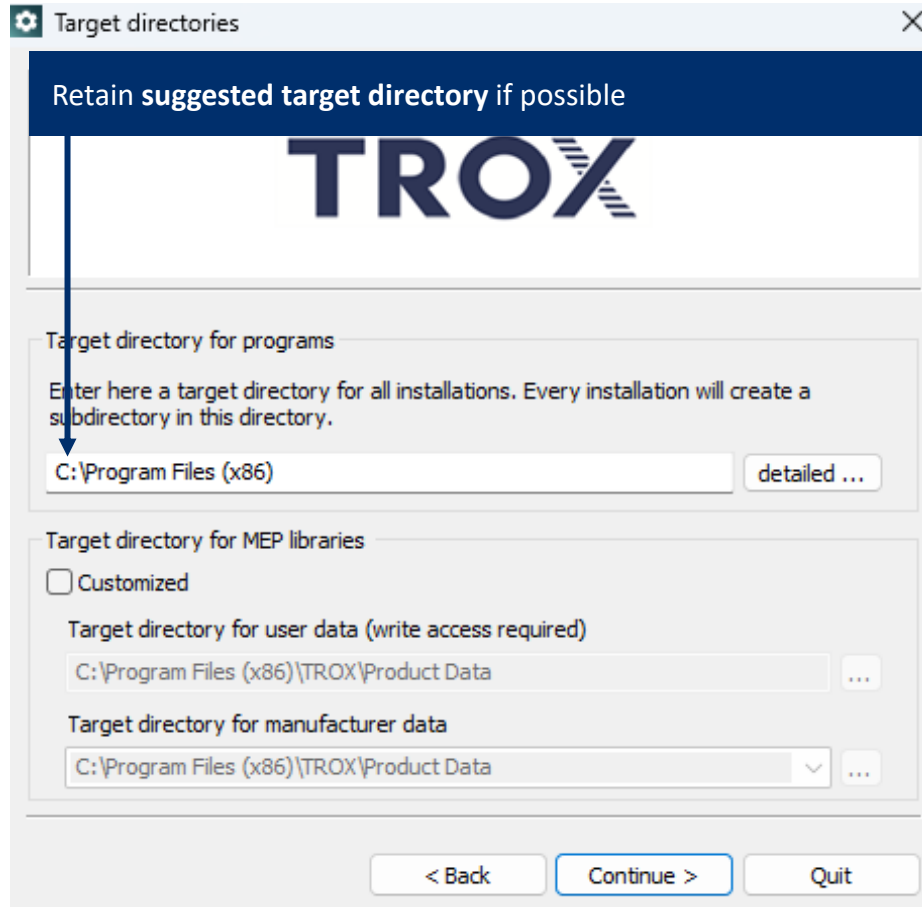


Installation and Update

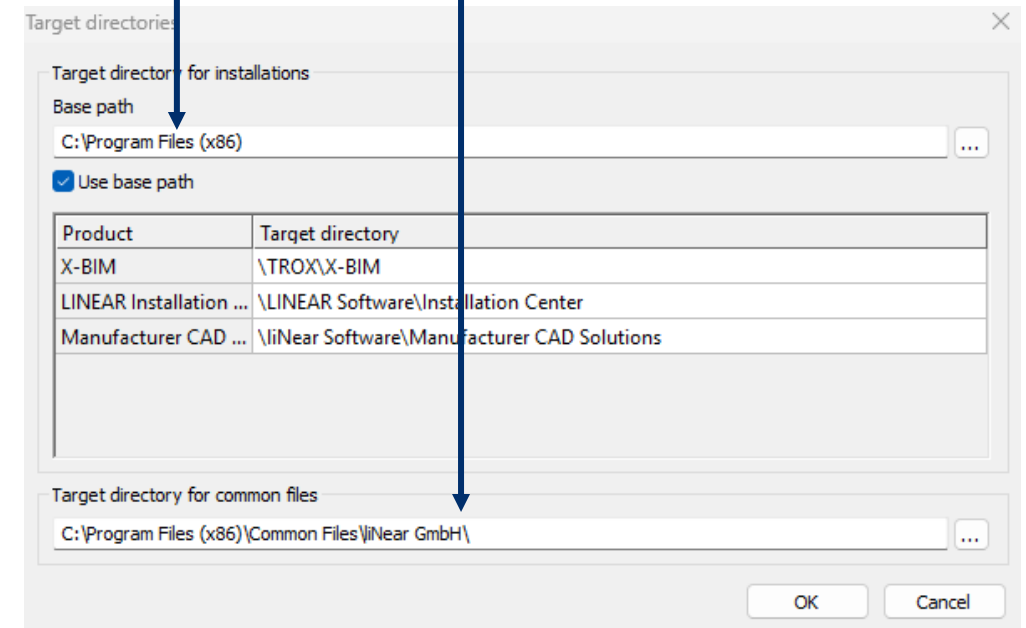


Selection of the region (country).
The selection has an influence on the availability of products

Installation and Update



When customising the target directory, both should point to the same drive.
Problems may occur if different drives are selected



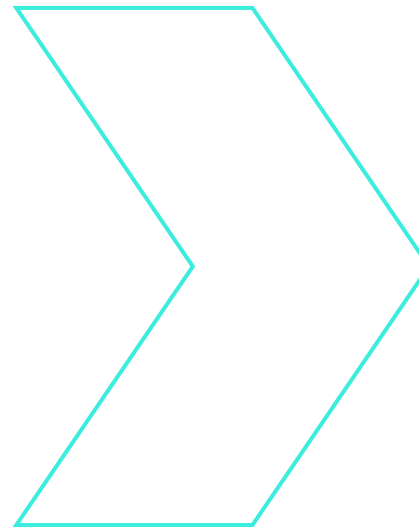
Note

Installation and Update

> After installation, the computer should be restarted, to establish a connection between Revit / AutoCAD and the X-BIM CAD Browser.

> If a restart is not possible at this time, at least Revit or AutoCAD must be restarted to establish the connection.

> The first time you start Revit / AutoCAD after installing the X-BIM CAD Browser, you will be asked to allow a connection to this LINEAR application for Revit. You must confirm this query in order to be able to use the X-BIM CAD Browser together with your CAD software. If you decline here, it is not possible to transfer model files from the X-BIM CAD browser directly into your application.



BASIC FUNCTIONS AND UTILISATION STRATEGIES

Specification / Tender text

Product Browser

TROX 12/2025 > Air Vents > Swirl diffusers > AIRNAMIC > AIRNAMIC-R-Z-H/600

AIRNAMIC-R-Z-H/600

1/1 3D Detailed

Interactive 3D view

Display of the specification text with the technical data for the selected variant

Description

Ceiling swirl diffusers with square or circular diffuser face, for comfort zones with particularly demanding requirements of aesthetics and design. Supply air and extract air variants. Excellent aerodynamic and acoustic function due to air control blades with optimised aerofoil contours, for horizontal swirling air discharge, creating high levels of induction. For installation in suspended ceilings of all kinds. Ready-to-install component which consists of the diffuser face with a plenum box, equalising element (only supply air variants), side entry spigot, cross bar, and suspension holes or suspension brackets. The diffuser face is fixed to the cross bar with a central screw, concealed by a decorative cap. Spigots are suitable for ducting according to EN 1506 or EN 13180. Sound power level of the air-regenerated noise measured according to EN ISO 5135.

SPECIAL FEATURES

- Plastic diffuser face with overlapping, three-dimensionally profiled blades, for the most efficient swirl and high induction
- For all types of ceiling systems, and with an extended border also suitable for freely suspended installation
- Diffuser face with flat tapered border (height 3 mm): no border upstand
- Plenum box for supply air, with an optimised equalising element that ensures a uniform airflow through the diffuser face
- Vertical spigot for nominal sizes 160 and 250
- Diffuser face with bayonet fixing (no tools required) available for nominal size 160 and 250 and with a spigot

MATERIALS AND SURFACES

- Diffuser face, spigot and damper blade made of ABS plastic, UL 94, V-0, flame retardant
- Plenum box and cross bar made of galvanised sheet steel
- Diffuser face coated RAL 9010, pure white
- Pl: Coated, RAL Classic colour

2D and 3D exports - DWG / DXF / IFC

Product Browser

TROX 12/2025 > Air Vents > Swirl diffusers > AIRNAMIC > AIRNAMIC-R-Z-H/600

AIRNAMIC-R-Z-H/600

1/1 3D Detailed

Export

Open 2D and 3D DWG and DXF files or copy them to the clipboard

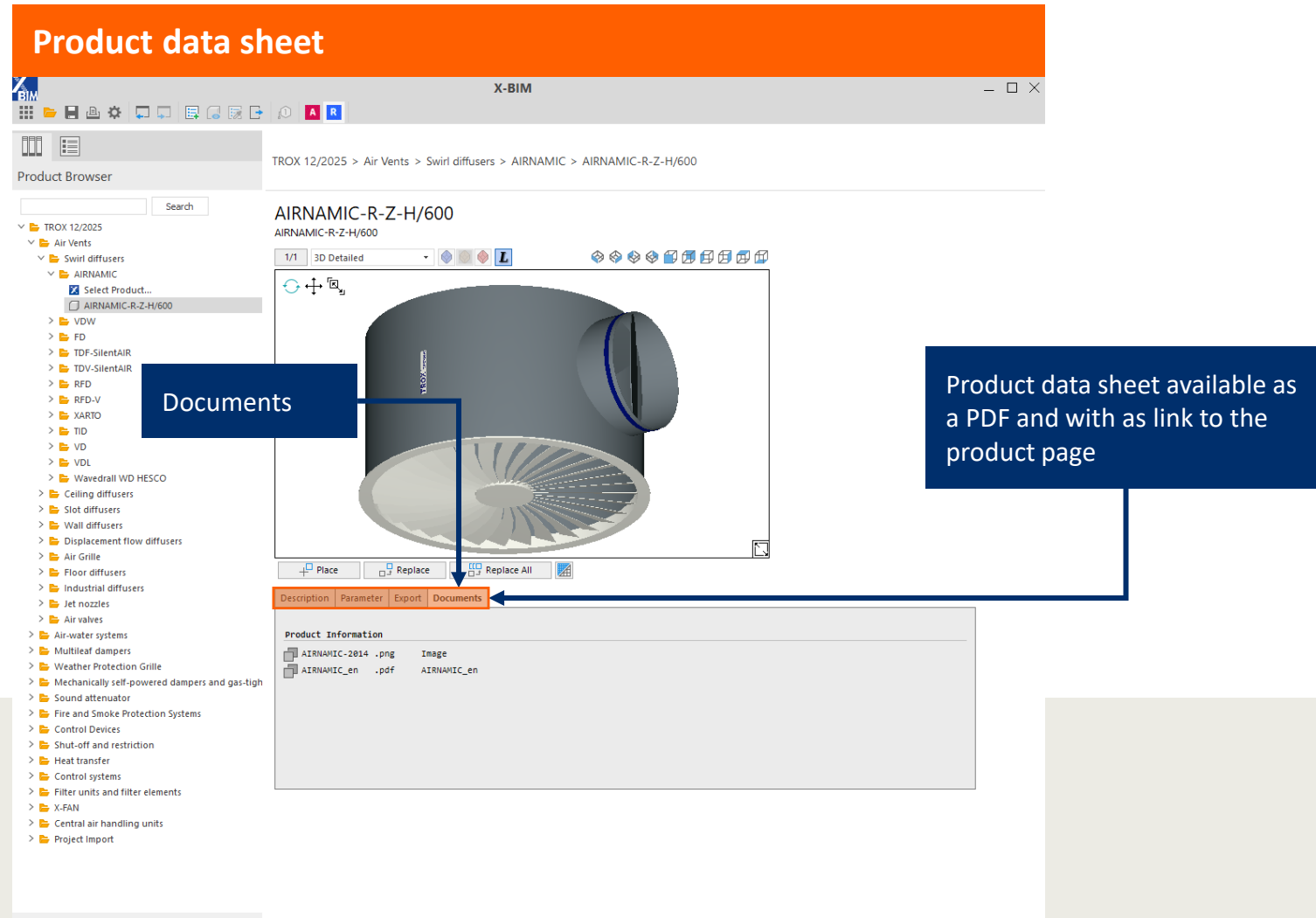
Displayed Model As Dwg

3D	.dwg	3D View (dwg)
2Dfront	.dwg	2D View Front (dwg)
2Dback	.dwg	2D View Back (dwg)
2Dleft	.dwg	2D View Left (dwg)
2Dright	.dwg	2D View Right (dwg)
2Dtop	.dwg	2D View Top (dwg)
2Dbottom	.dwg	2D View Bottom (dwg)

Displayed Model As dxf

3D	.dxf	3D View (dxf)
2Dfront	.dxf	2D View Front (dxf)
2Dback	.dxf	2D View Back (dxf)
2Dleft	.dxf	2D View Left (dxf)
2Dright	.dxf	2D View Right (dxf)
2Dtop	.dxf	2D View Top (dxf)
2Dbottom	.dxf	2D View Bottom (dxf)

Basic functions

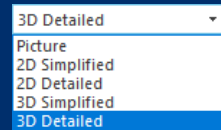


Basic functions

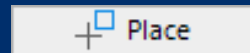
Selection of transfer
to Revit or AutoCAD



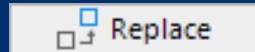
Selection of the product's
display options



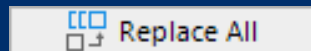
Component can be placed
in the CAD programme



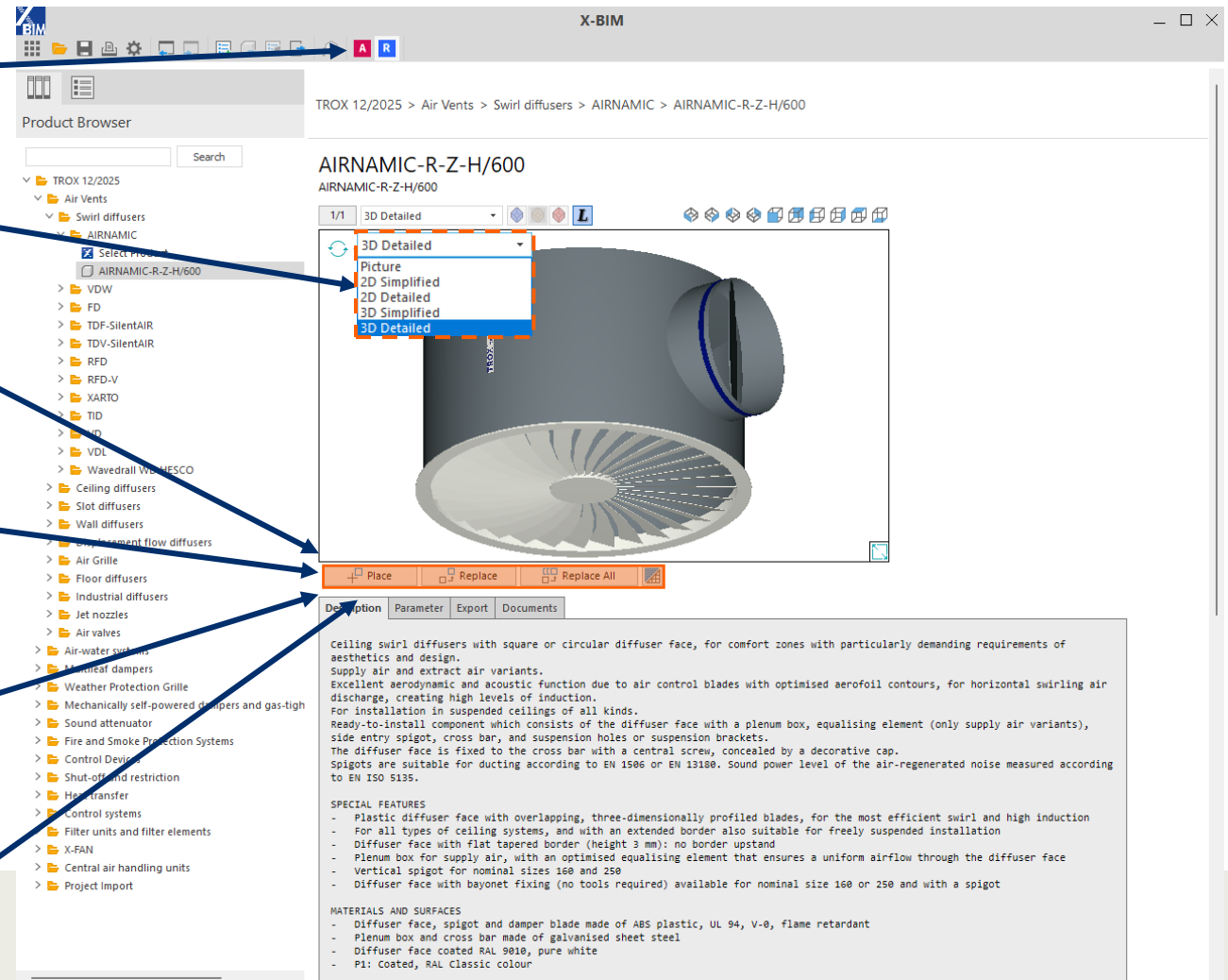
Replaces an existing product
(in the planning application) with the current
product from the X-BIM CAD browser



Replaces all identical products
(in the planning application) with the current
product from the X-BIM CAD browser

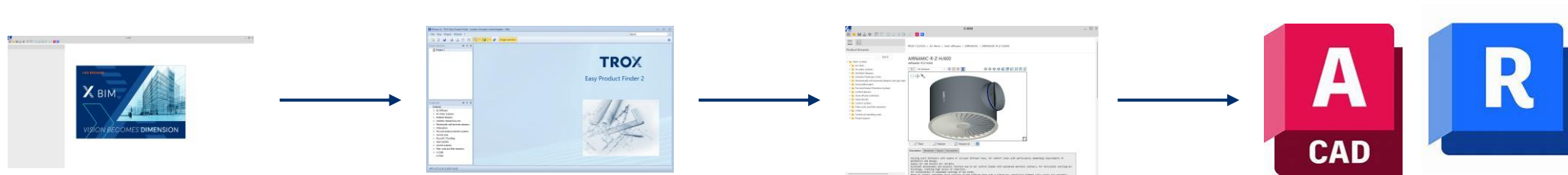


When activated, only the simplified geometry is transferred to
Revit/AutoCAD. If not activated, all available detail levels are
transferred.



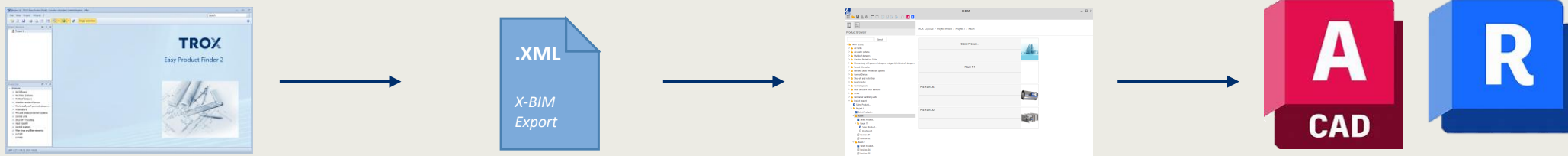
1. Selection of individual products on demand (see page 16-22)

- > Selection of the respective type and design in the X-BIM CAD browser (with integrated EPF)
- > Inserting the products into the 3D planning



2. Usage of the already designed products of an EPF project (see page 24-29)

- > Import the X-BIM project file from TROX design tools into the X-BIM CAD browser
- > Inserting the products into the 3D planning



CONFIGURE AND IMPORT TROX COMPONENTS

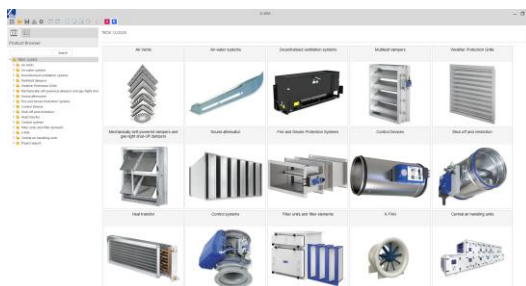
Configure and import

TROX Components → Design on Demand

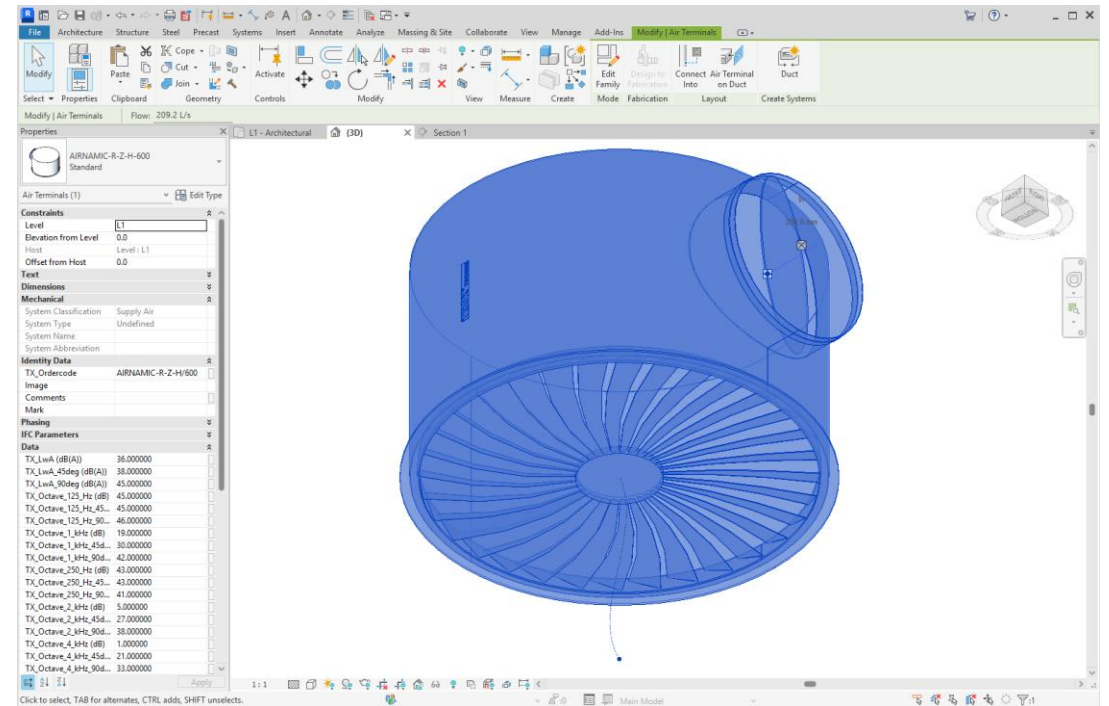
X-BIM CAD Browser



Integrated TROX EPF



Design software based on Revit or AutoCAD



Alternatively, geometry data can be generated in DXF, DWG and IFC formats

Selecting a product type

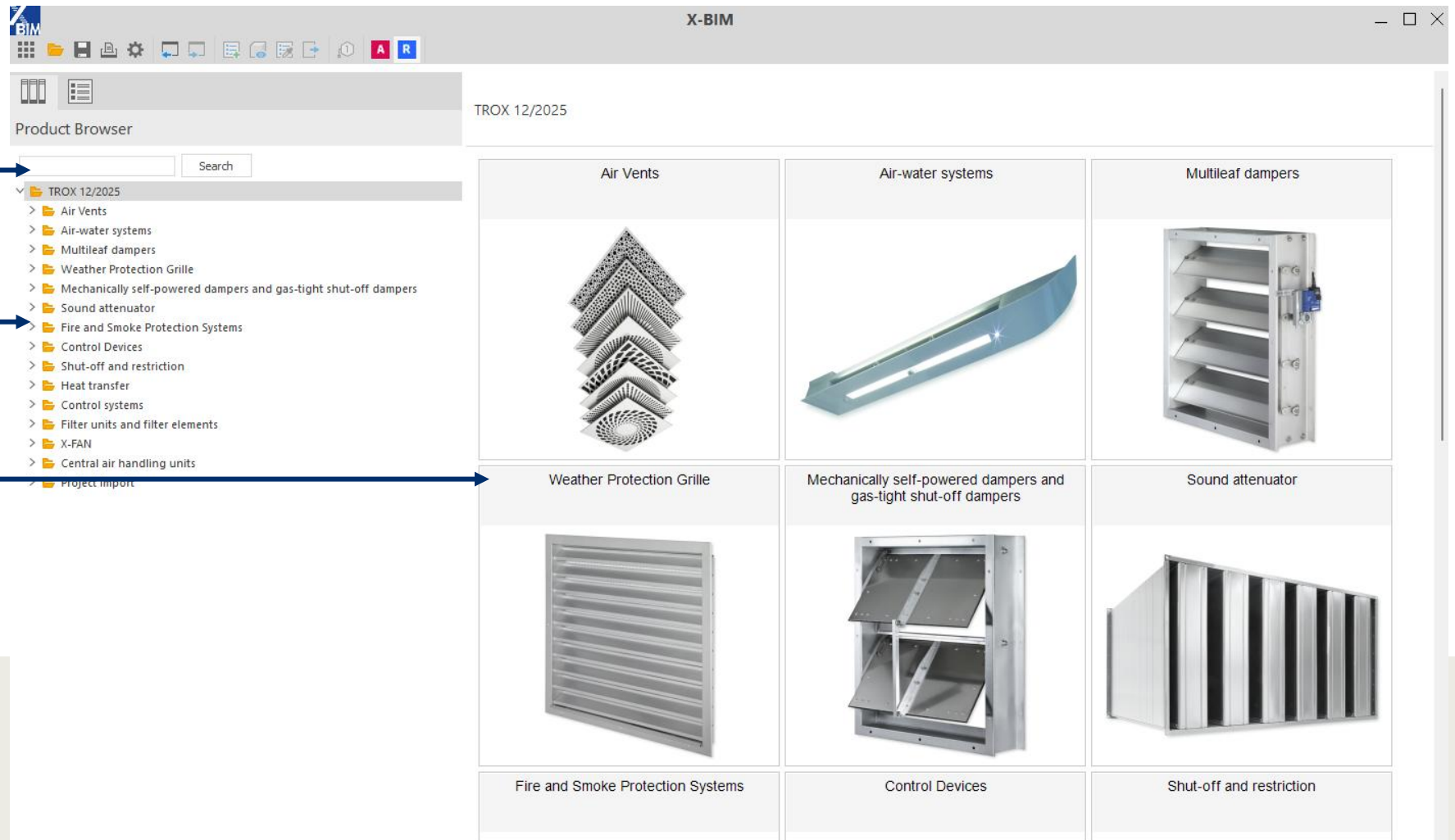
1

Product selection via one of the three ways shown

Product selection via direct search

Product selection via tree structure

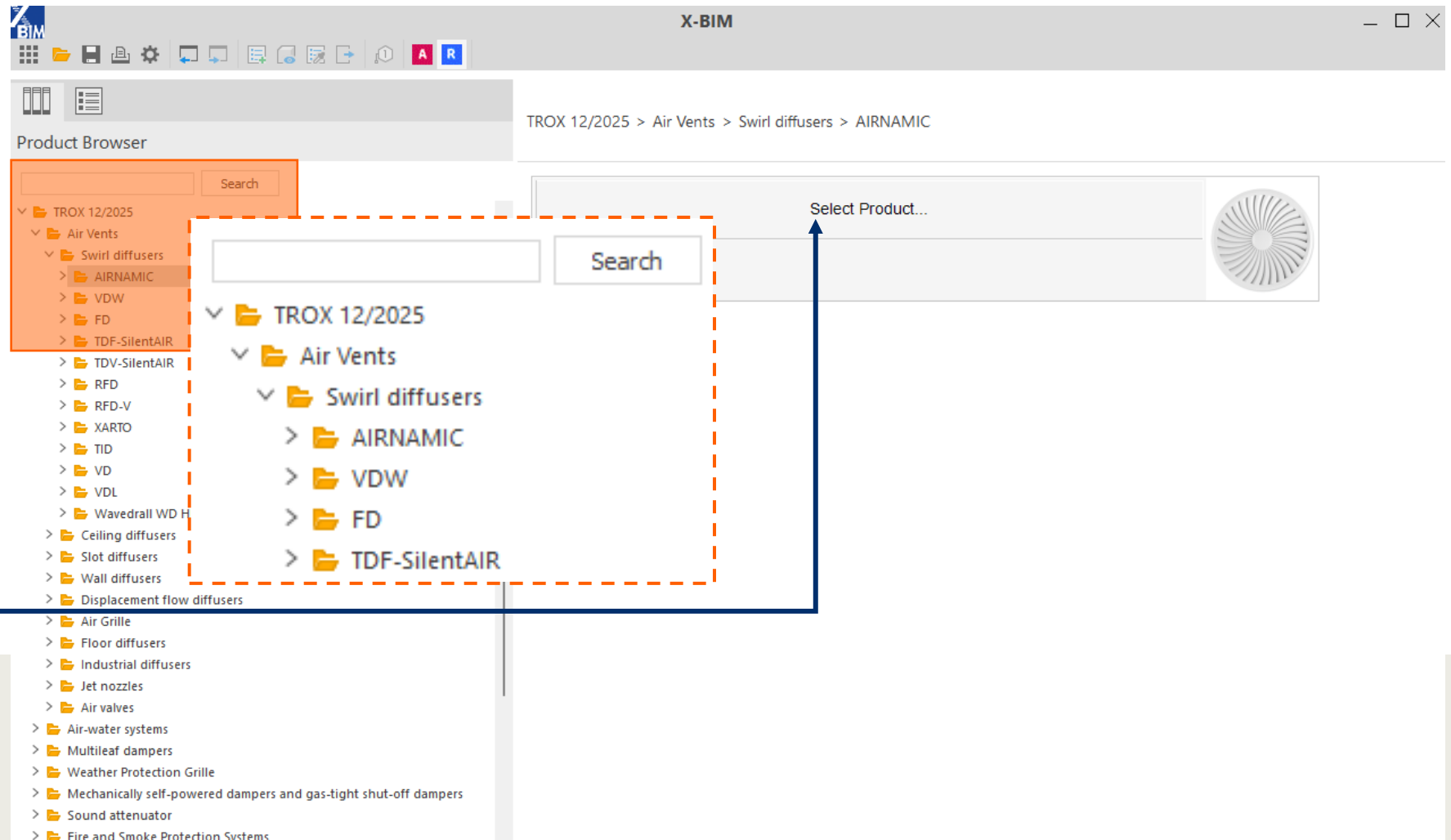
Product selection via graphical user interface



Selecting a product variant

2

Pressing the button „**Select Product...**“ opens the integrated TROX Easy Product Finder to configure the desired variant.



Configuration of the variant in the integrated Easy Product Finder

3 Configuration of the desired variant on the TROX Easy Product Finder interface

4 Click on the button „→” to transfer the selected variant back to the X-BIM CAD Browser¹.

Sound power level/Pressure drop	Δpt	Lw A	63 Hz
damper blade position open	27	36	37
damper blade position 45°	57	38	37
damper blade position closed	106	45	37

¹ Variants for which no geometry data is contained in the Easy Product Finder cannot be transferred.

Insert into the project

5 Click on „Place“ to transfer the product variant to the open Revit or AutoCAD project

6 Specific product model can be placed and used in Revit. Product data (connections, order codes, specification texts and technical data are available in the model).

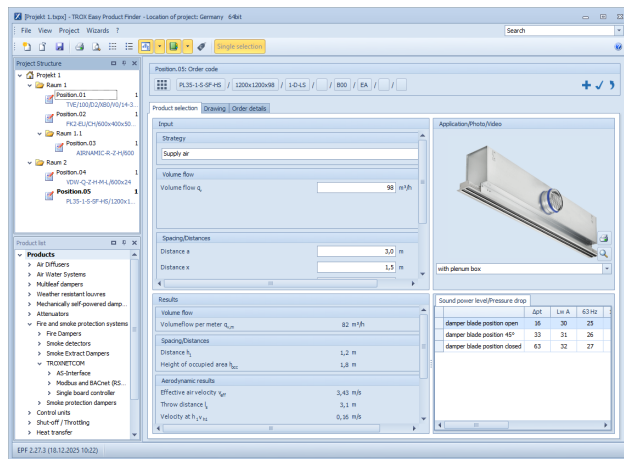
The image shows two software windows. The left window is the 'Product Browser' for TROX 12/2025, displaying a tree view of product categories. The 'AIRNAMIC' category is expanded, and 'AIRNAMIC-R-Z-H/600' is selected. A 3D model of the air terminal is shown in the center. Below the model is a 'Place' button. The right window is the Revit interface, showing the 'Modify | Air Terminals' ribbon. The 'Place' button is highlighted, and the 'AIRNAMIC-R-Z-H/600' model is being placed into the project. The Revit interface also shows a 'Properties' panel with various parameters for the air terminal.

Property	Value
Level	L1
Elevation from Level	0.0
Host	Level : L1
Offset from Host	0.0
Text	
Dimensions	
Mechanical	
System Classification	Supply Air
System Type	Undefined
System Name	
System Abbreviation	
Identity Data	
TX_Ordercode	AIRNAMIC-R-Z-H/600
Image	
Comments	
Mark	
Flushing	
WIC Parameters	
Data	
TX_Lwa (dB(A))	36.000000
TX_Lwa_45deg (dB(A))	38.000000
TX_Lwa_90deg (dB(A))	45.000000
TX_Octave_125_Hz (dB)	45.000000
TX_Octave_125_Hz_45...	45.000000
TX_Octave_125_Hz_90...	46.000000
TX_Octave_1_kHz (dB)	19.000000
TX_Octave_1_kHz_45d...	30.000000
TX_Octave_1_kHz_90d...	42.000000
TX_Octave_250_Hz (dB)	43.000000
TX_Octave_250_Hz_45...	43.000000
TX_Octave_250_Hz_90...	41.000000
TX_Octave_4_kHz (dB)	5.000000
TX_Octave_2_kHz_45d...	27.000000
TX_Octave_2_kHz_90d...	38.000000
TX_Octave_4_kHz (dB)	1.000000
TX_Octave_4_kHz_45d...	21.000000
TX_Octave_4_kHz_90d...	33.000000

EPF PROJECTS AS THE BASIS FOR BIM DATA

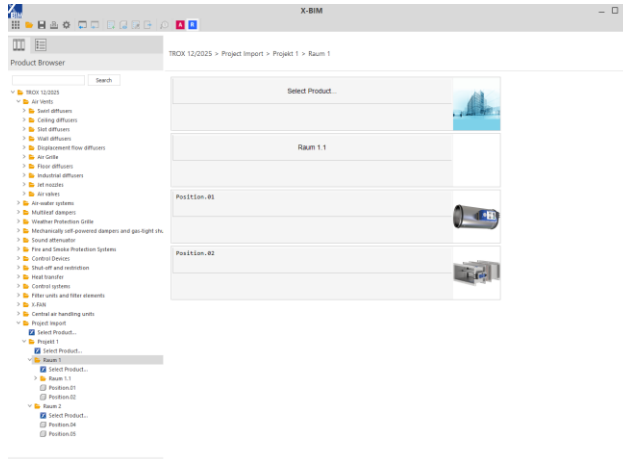
Use EPF project as a basis for BIM data

EPF project

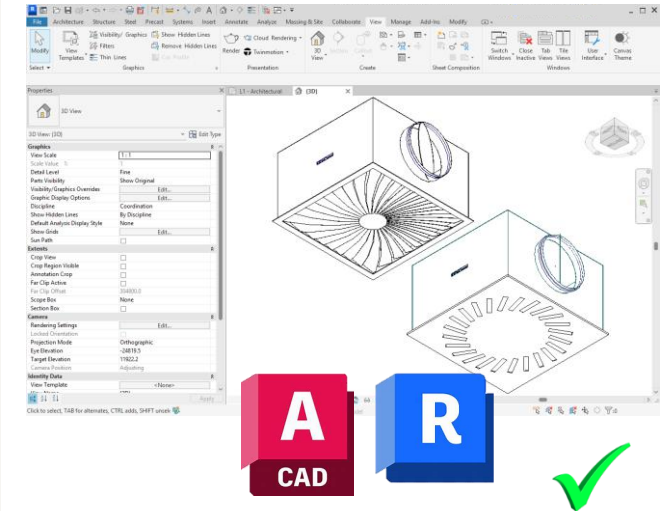


X-BIM
Export

Project imported into X-BIM CAD Browser



Specified products in design software



You can import EPF projects into the X-BIM CAD browser and thus easily use the product data of the already designed products for digital planning.

Project creation in the TROX Easy Product Finder

Open an existing or create a new EPF project.

The screenshot displays the TROX Easy Product Finder (EPF) software interface. The 'Project Structure' tree on the left shows a project named 'Projekt 1' with several rooms and positions. A blue arrow points from the text 'Open an existing or create a new EPF project.' to the 'Projekt 1' folder. The main window shows the 'Position.05: Order code' section with a search bar and a '+', '✓', and '↩' button. A blue arrow points from the text 'Products are added to the project via the „+“.' to the '+' button. The 'Product selection' tab is active, showing input parameters like 'Strategy' (Supply air), 'Volume flow' (98 m³/h), and 'Spacing/Distances' (Distance a: 3,0 m, Distance x: 1,5 m). The 'Results' section displays calculated values for volume flow, spacing, and aerodynamic results. The 'Application/Photo/Video' section shows a 3D model of a damper with the text 'with plenum box'. The 'Sound power level/Pressure drop' section contains a table with data for damper blade positions.

1 Products are added to the project via the „+“.

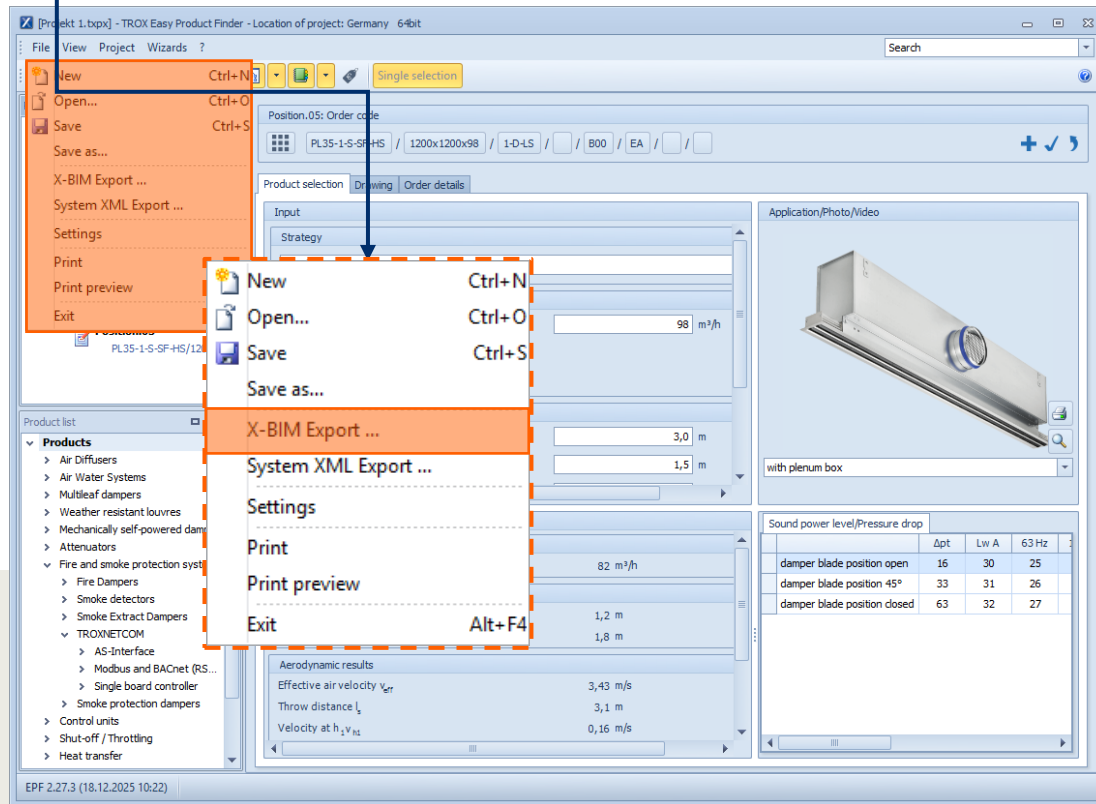
	Δp_t	Lw A	63 Hz
damper blade position open	16	30	25
damper blade position 45°	33	31	26
damper blade position closed	63	32	27

EPF 2.27.3 (18.12.2025 10:22)

Export and save the X-BIM project file from EPF

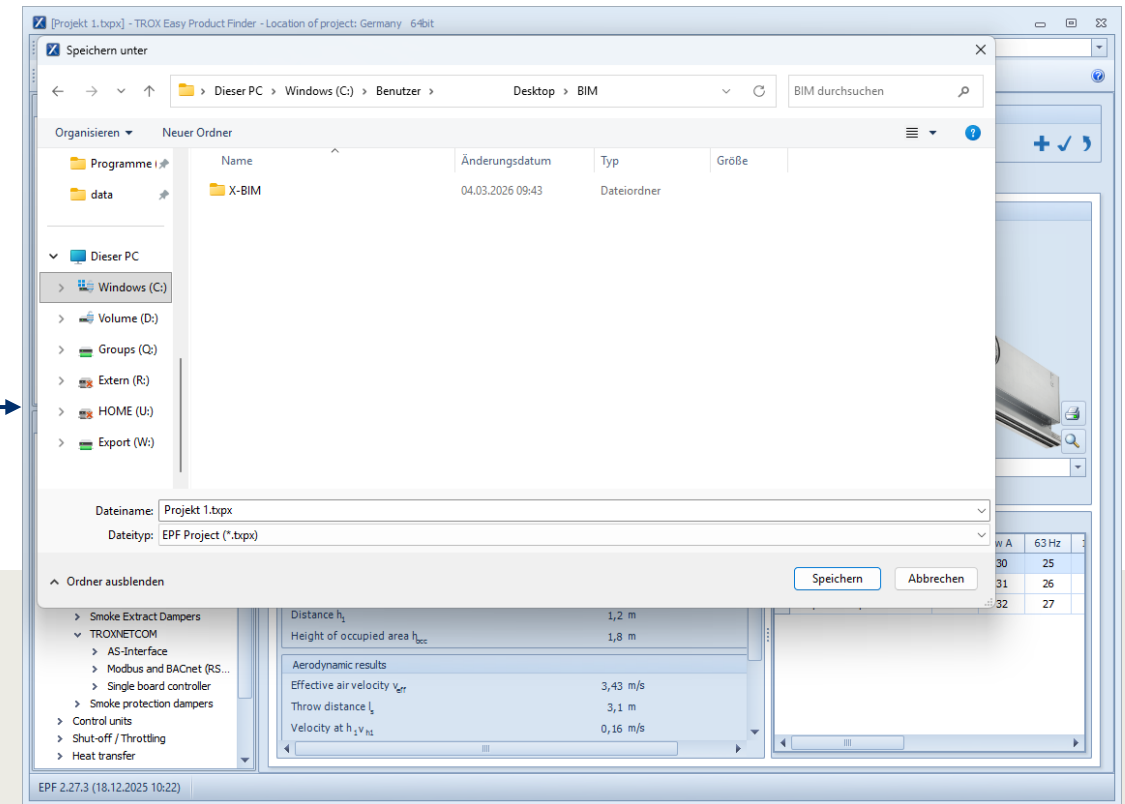
2

Via the menu path: File → X-BIM Export, the project can be exported as an XML file.



3

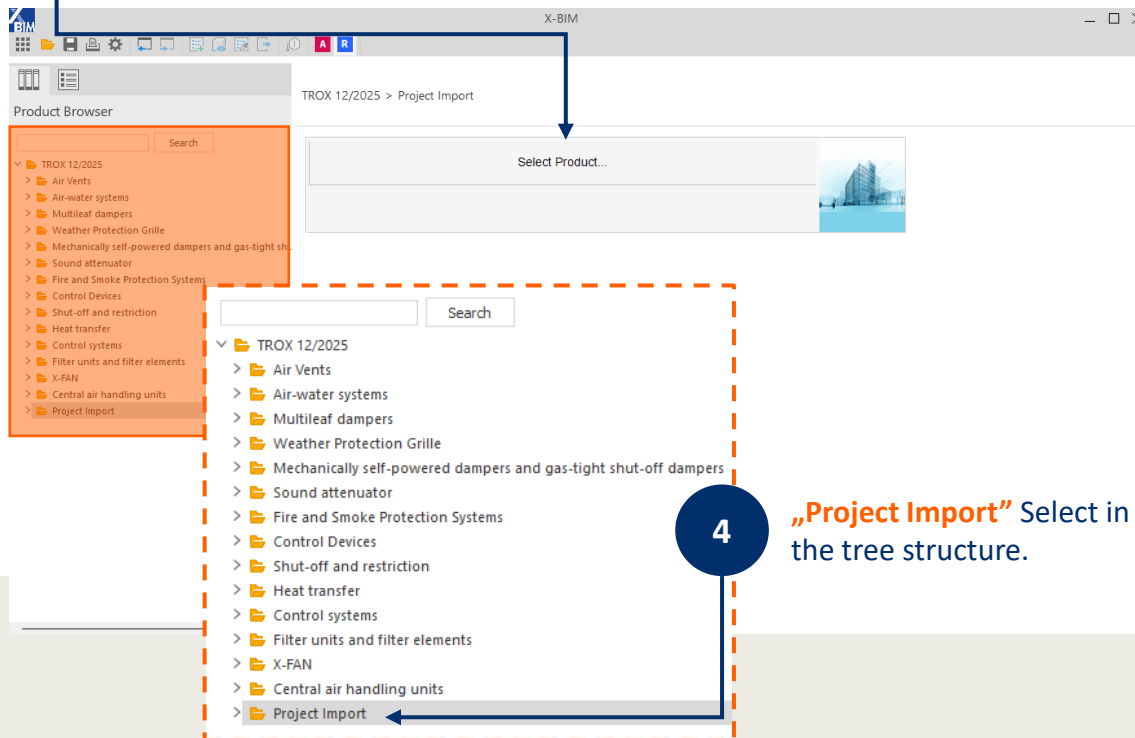
Select the preferred location for saving the .xml file, adjust the file name if necessary, and save the file.



Loading the X-BIM project file into the X-BIM CAD browser

5

Press the button „Select Product...” to open the dialogue box for selecting the project file.

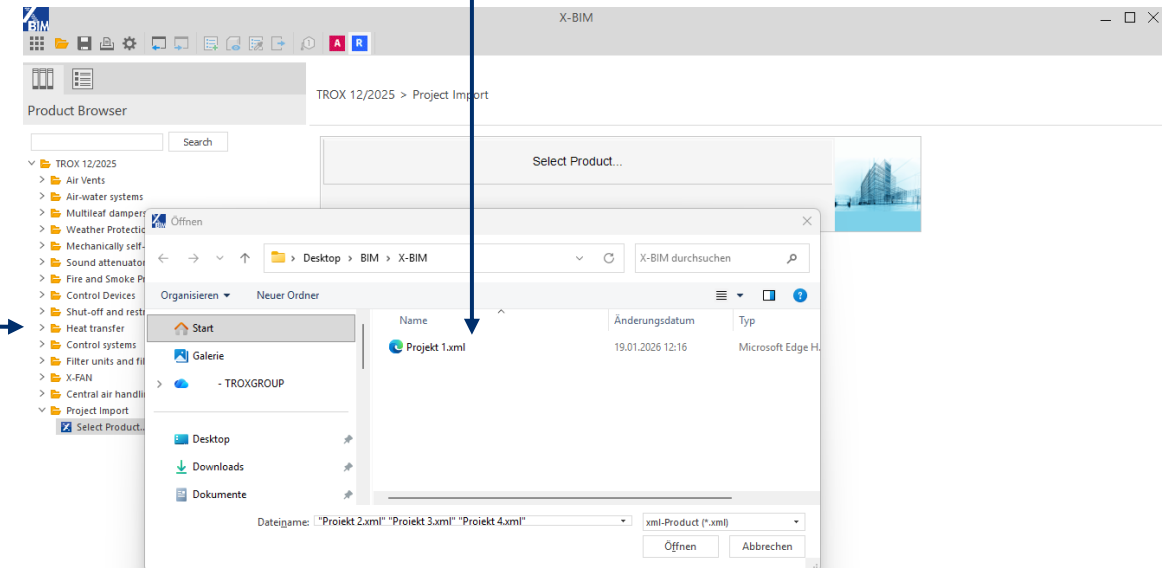


4

„Project Import” Select in the tree structure.

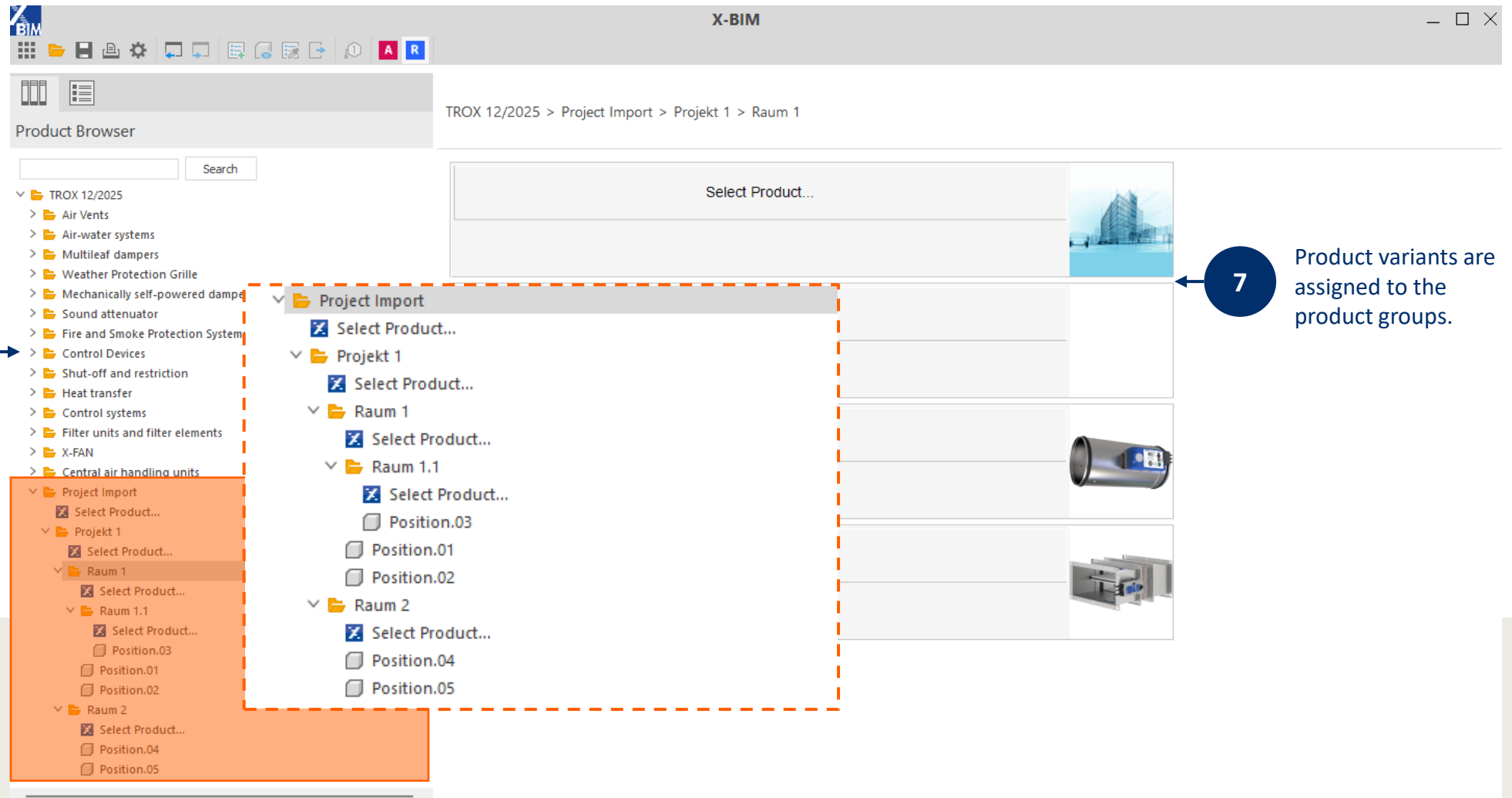
6

Selection of the project-specific XML file.



Overview of the project structure in the X-BIM CAD Browser

After successful import, the project structure created in the EPF is displayed within the X-BIM CAD browser.



CONFIGURE AND IMPORT TROX AIR HANDLING UNITS

How to create and integrate an X-BIM file for TROX Air Handling Units

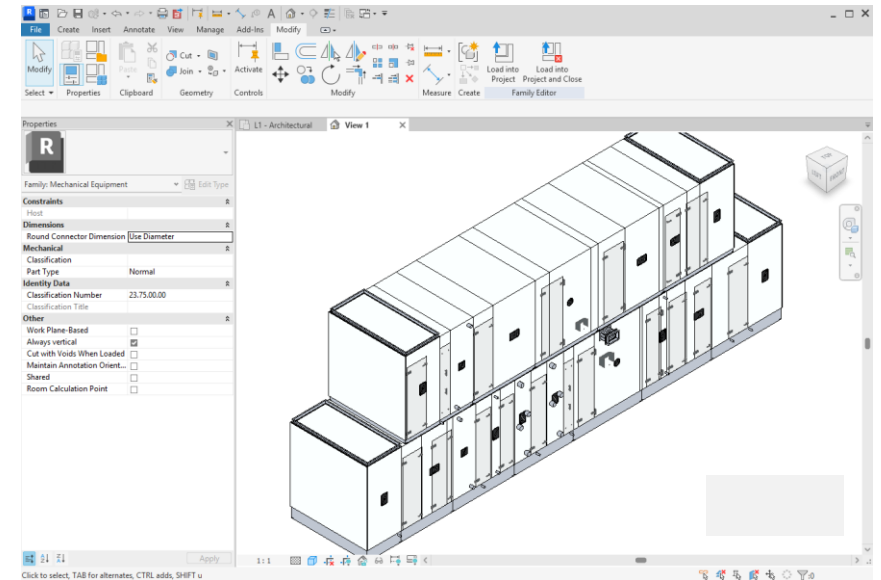
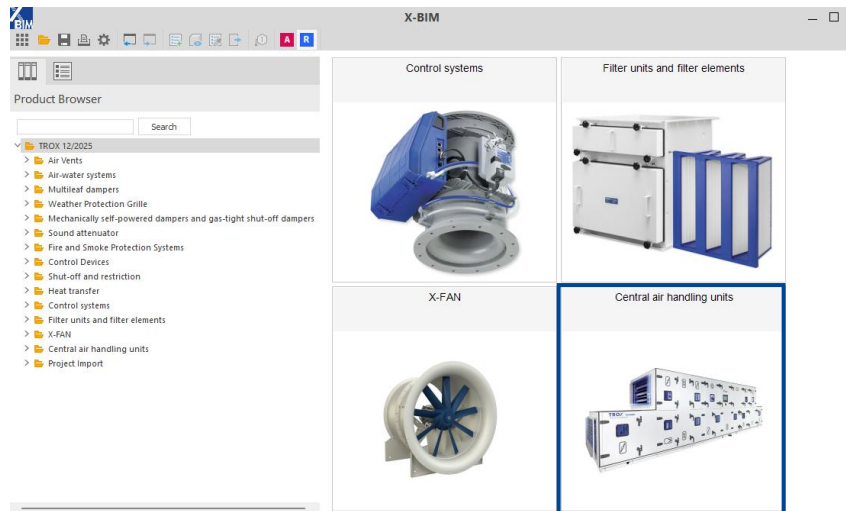


X-CUBE Air Handling Units

X-CUBE project file

X-BIM CAD Browser

Design software based on
Revit or AutoCAD



Data basis for Air Handling Units

X-CUBE air handling units

Option 1

Online AHU configurator

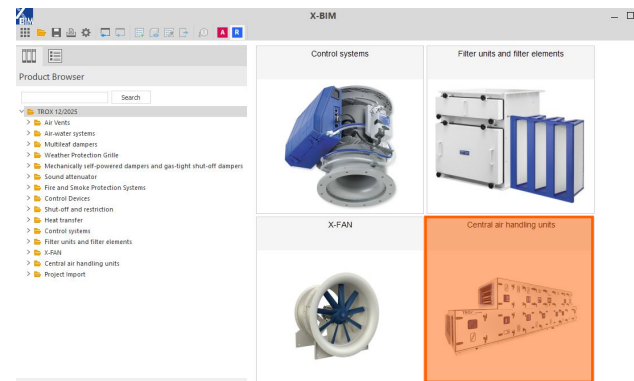
AHU can be configured independently online



X-BIM file
(.xml/.zip)

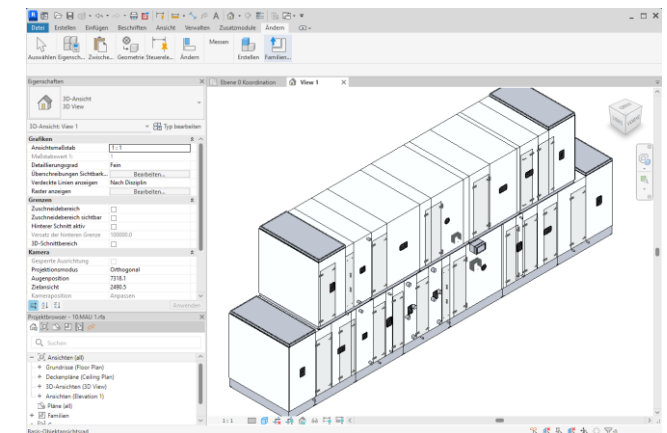


X-BIM CAD Browser



Alternatively, geometry data can be generated in
DXF, DWG and IFC formats

Design software based on Revit or AutoCAD



Option 2

TROX AHU Sales

AHU is configured by a TROX AHU sales representative

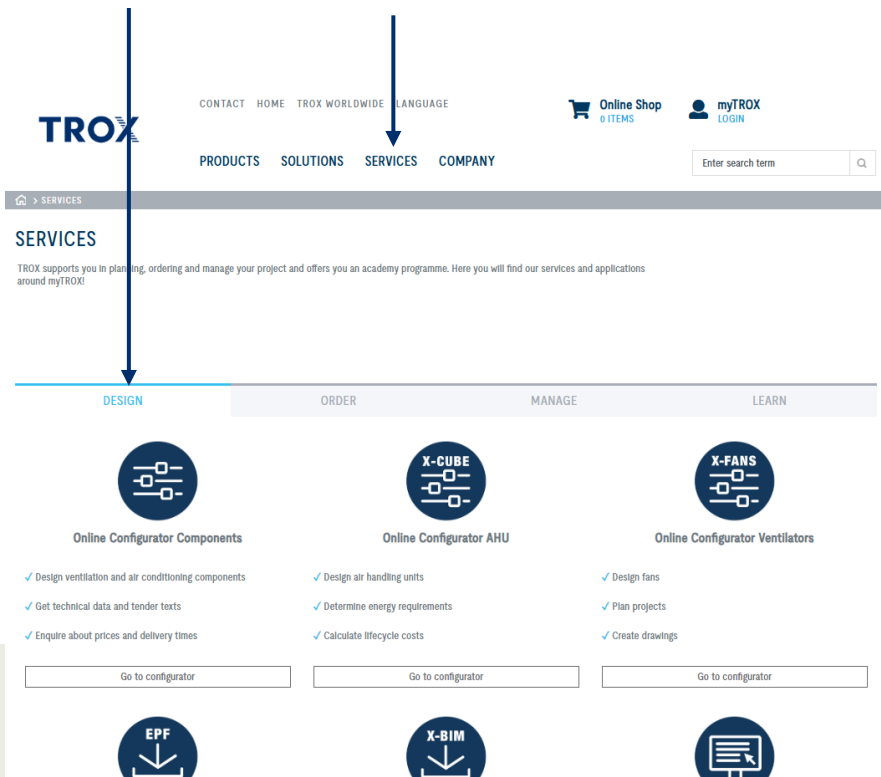


Online configurator for Air Handling Units (myTROX)

Create X-BIM file with AHU configurator [Option 1]

1

TROX homepage under the SERVICES tab, select the "Planning" field.



2

The opening page presents various product configurators, including the **online configurator for AHUs**. By clicking on the field you will be redirected.



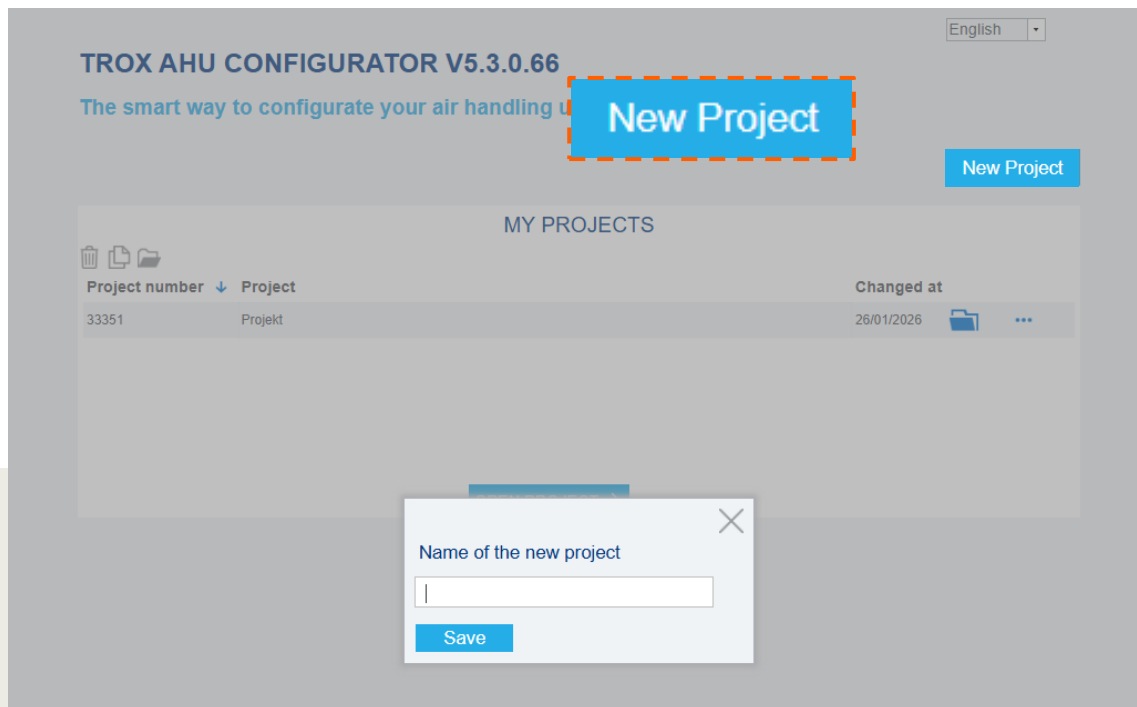
A myTROX account is required to use the online AHU configurator.

Online configurator for Air Handling Units

Create X-BIM file with AHU configurator [Option 1]

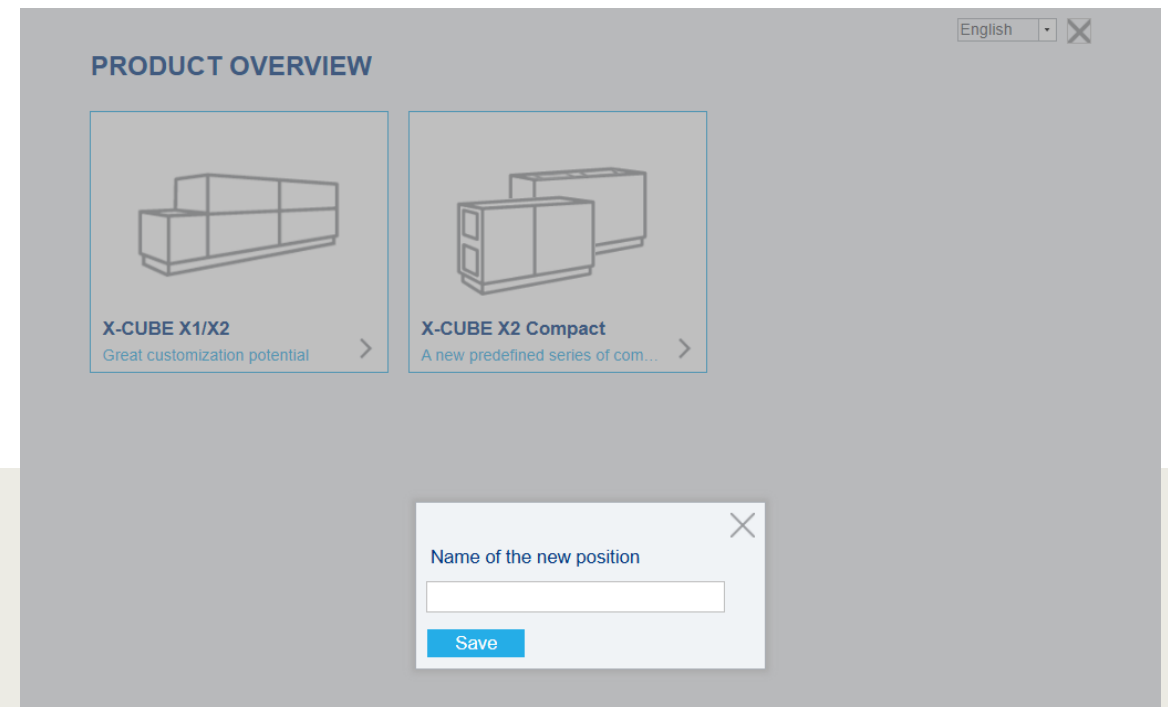
3

After logging in with the myTROX account, a project name can be assigned via the button „New Project” and a new project can be started



4

After selecting the desired X-Cube variant and assigning a position name, the individual requirements can be configured



Online configurator for Air Handling Units

Create X-BIM file with AHU configurator [Option 1]

5

The individual configuration points can now be adjusted according to the specific requirements.

The screenshot shows the 'REQUIREMENTS' step of the online configurator. On the left is a vertical sidebar with icons and labels for: Requirements, Type of unit, Operating point, Connection, Filtering, Heating, Cooling, Attenuation, Humidification, Fan, Controls, and Calculation. The main area is titled 'REQUIREMENTS' and 'Define the requirements for configuring the device'. It contains three sections: 'EFFICIENCY CLASS' with options 'Standard' and 'Premium features for minimum energy consumption' (selected); 'MAINTENANCE' with options 'Standard' and 'Premium features for optimised maintenance' (selected); and 'CASING QUALITY' with options 'Standard' and 'Premium features for highest demands and best protection from corrosion' (selected). Navigation buttons 'Back' and 'Continue' are present. A language dropdown is set to 'English'.

This is an annotated version of the configurator interface. A dashed orange border surrounds the entire interface. An arrow points from the text 'After configuration, the model can be calculated.' to the 'Calculation' button at the bottom of the sidebar.

After configuration, the model can be calculated.

Online configurator for Air Handling Units

Create X-BIM file with AHU Configurator [Option 1]

After the calculation, various files can be downloaded, including the **BIM data for the TROX X-BIM CAD BROWSER**.

The screenshot shows the TROX online configurator interface. At the top, there is a language dropdown set to 'English'. Below this, there are input fields for 'Pos.-no.: 1', 'Name: 1', and 'Qty.: 1'. A blue '> Edit' button is positioned below the 'Qty.' field. The main content area has three tabs: 'Documents' (selected), 'Overview', and 'LCC Calculation'. Under the 'Documents' tab, there is a thumbnail image of a document. Below the thumbnail, there is a list of download options: 'Data sheet:', 'Drawing:', 'Specification text:', 'BIM data for the TROX X-BIM CAD Browser:', and 'Full package:'. Each option has a corresponding download icon (a square with a downward arrow) to its right. The 'BIM data for the TROX X-BIM CAD Browser:' option is highlighted with an orange box. A blue arrow points from the text 'By clicking on the download icon, the various files can be saved to any location.' to the download icon for the 'BIM data' option. Another blue arrow points from a blue circle containing the number '6' to the same download icon, with the text 'Download X-BIM CAD Browser file.' next to it.

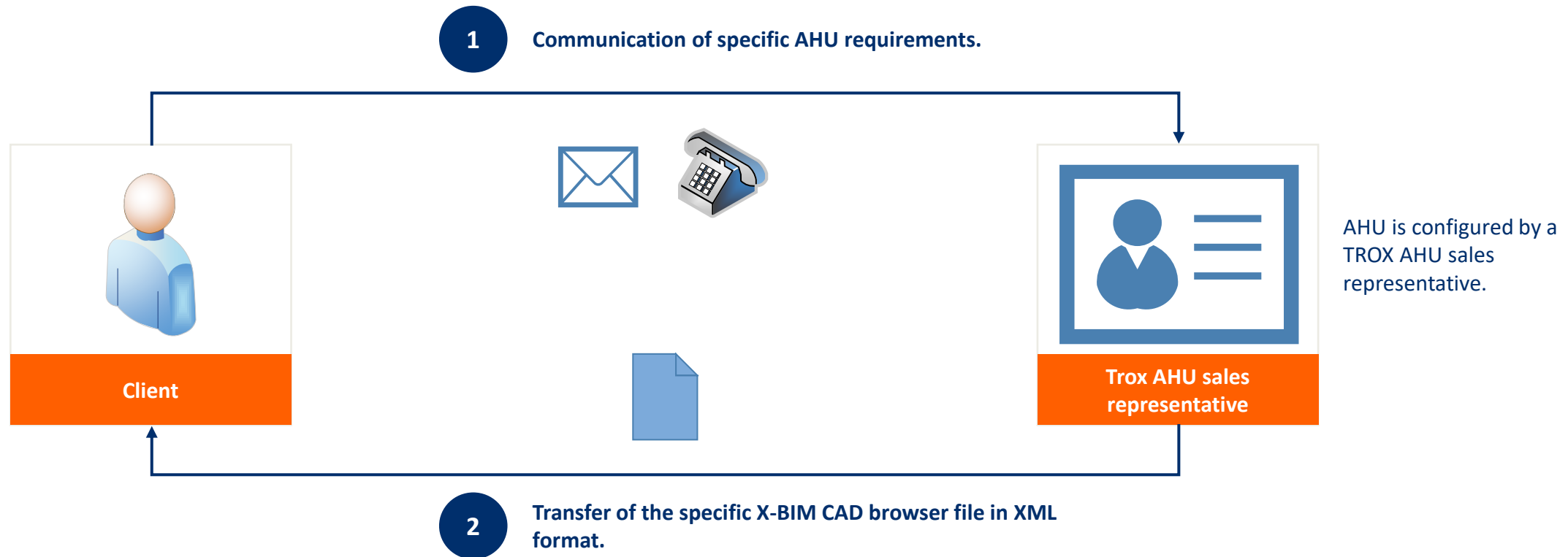
By clicking on the download icon, the various files can be saved to any location.

6

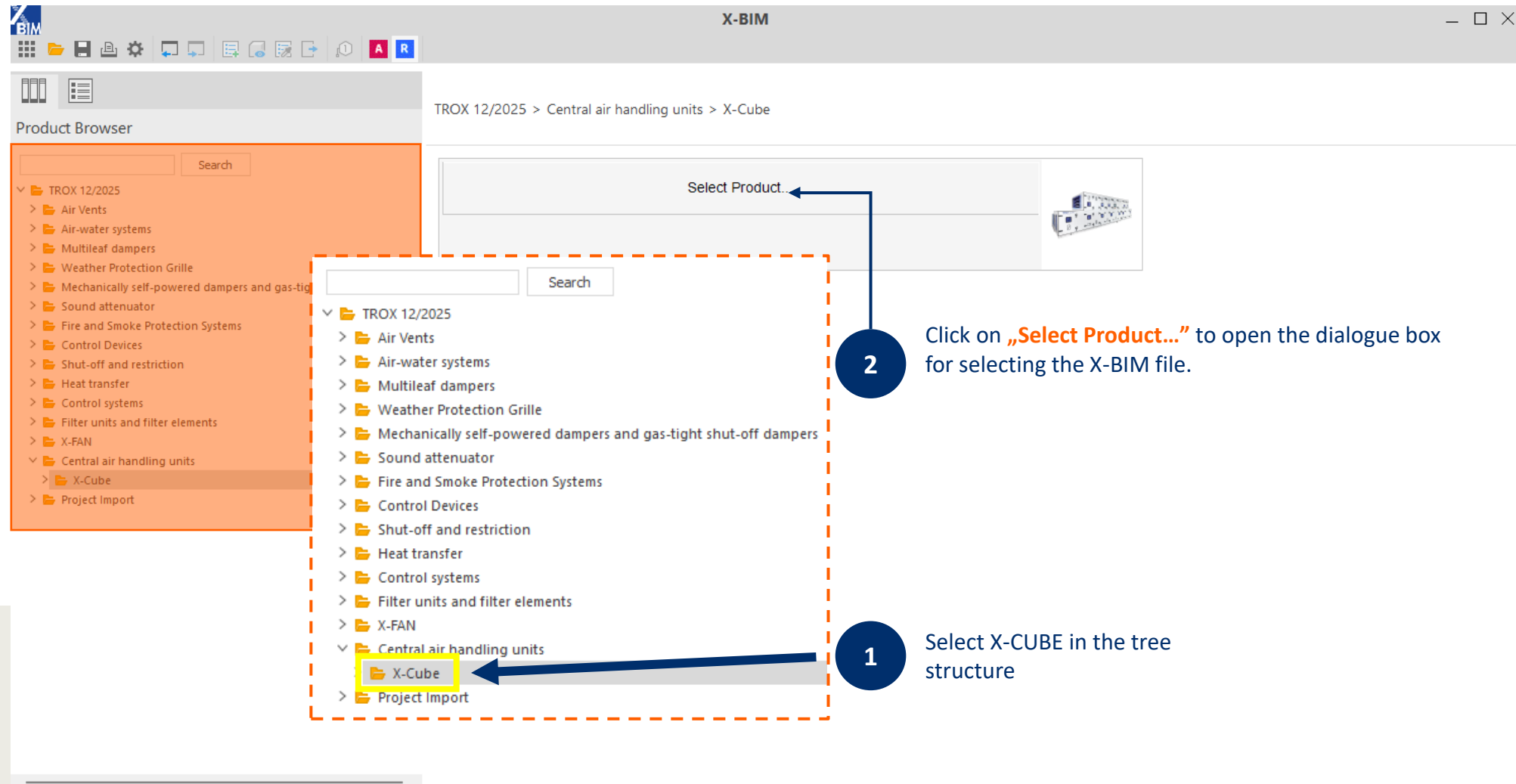
Download X-BIM CAD Browser file.

Configuring AHUs by TROX AHU sales representatives

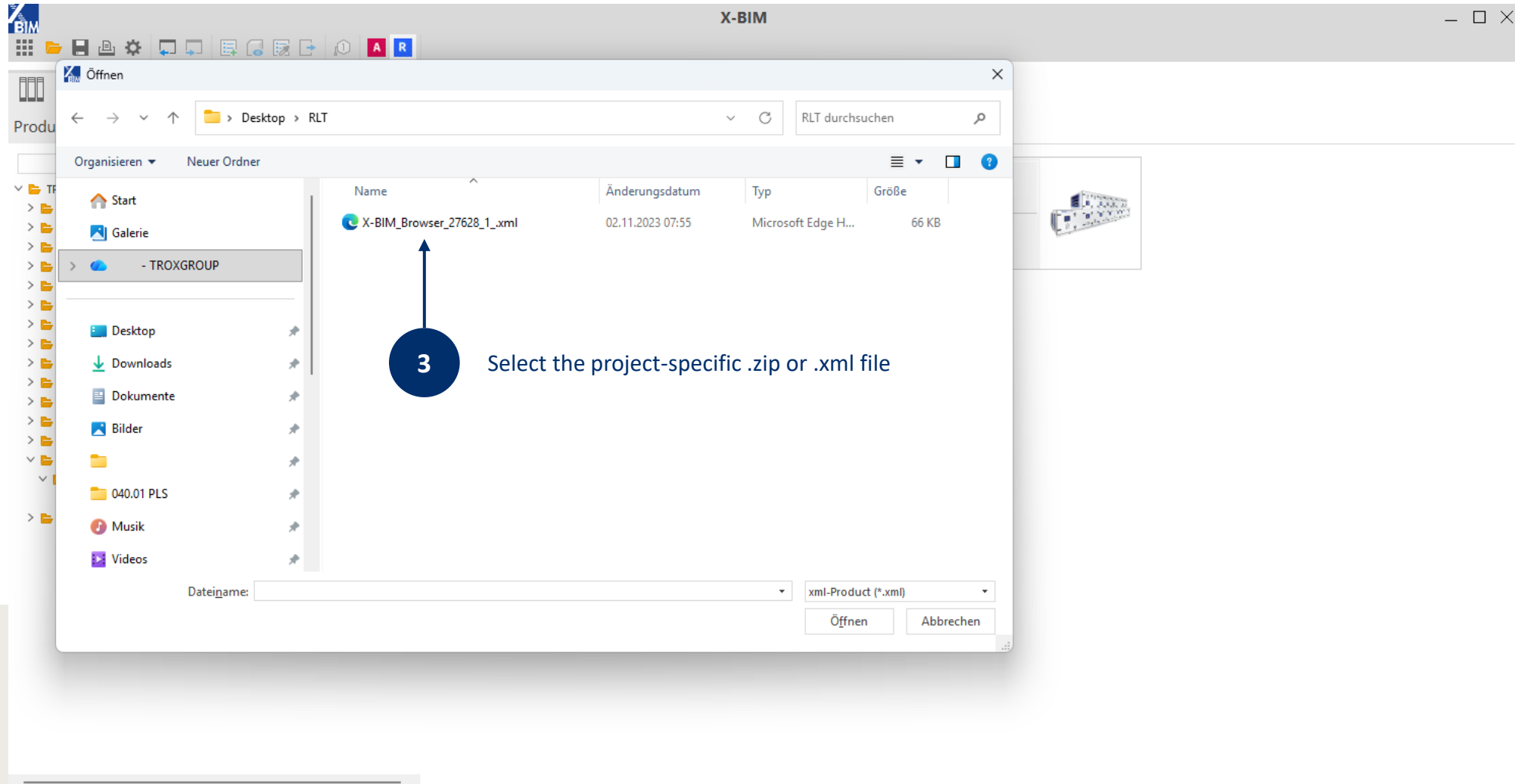
Generation of X-BIM file by TROX AHU sales [Option 2]



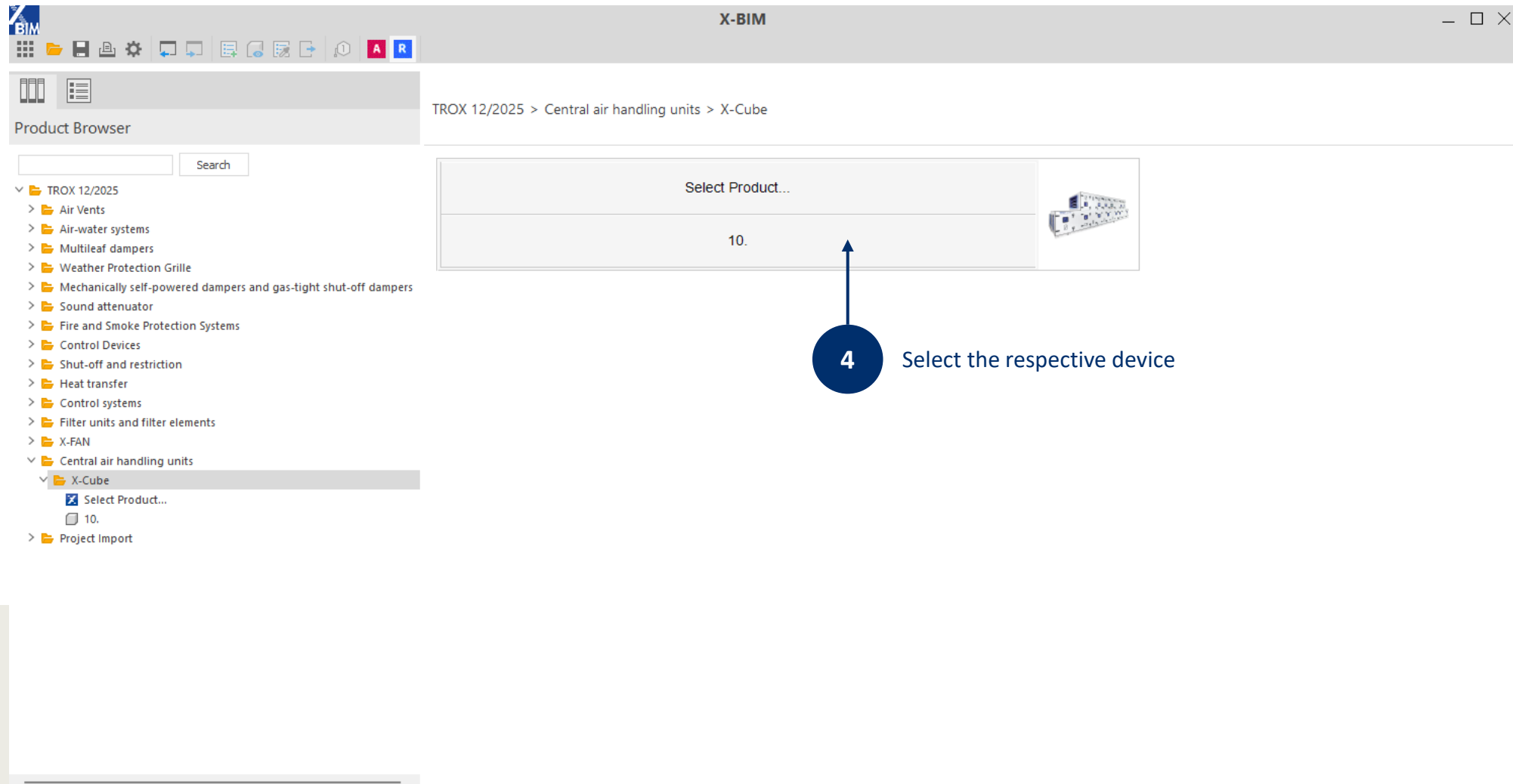
Load X-BIM file of an AHU



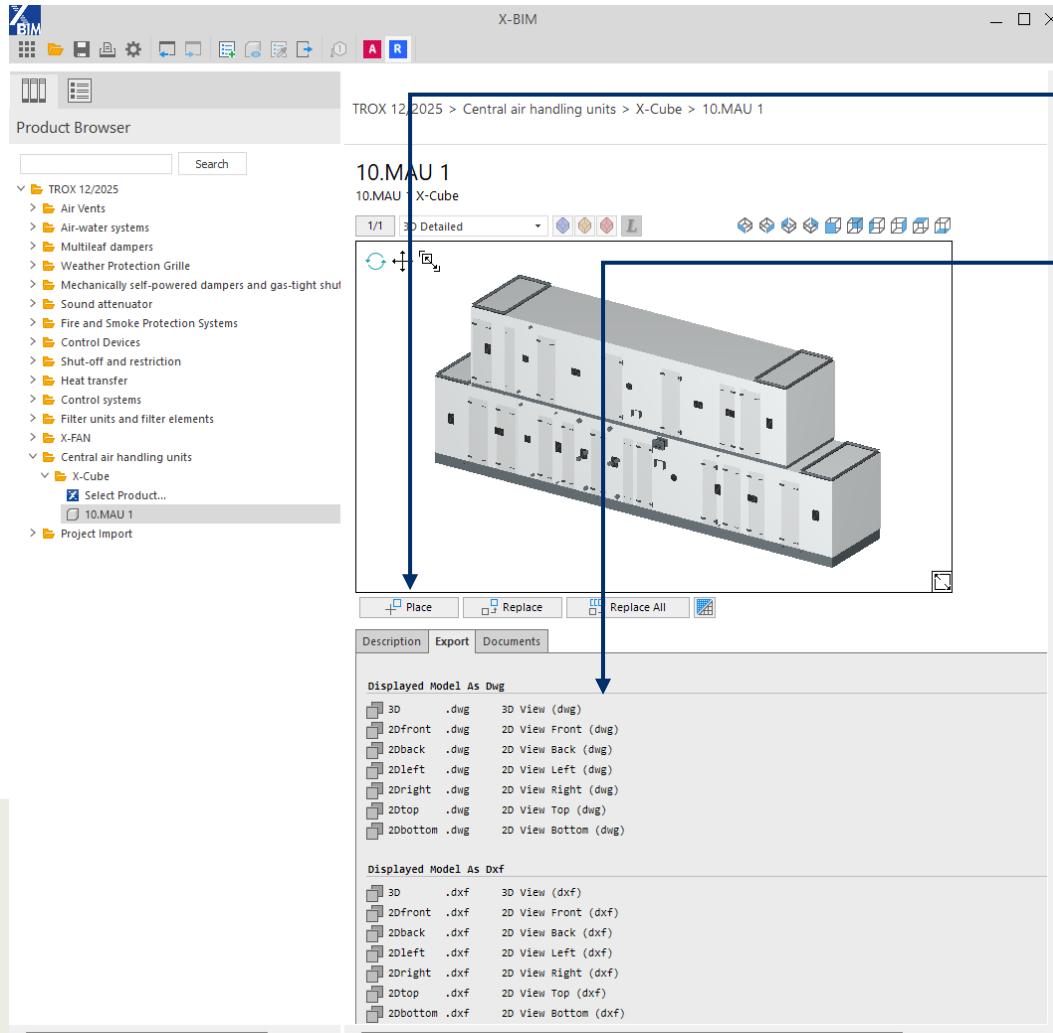
Load X-BIM file of an AHU



Select the imported device



Insert into the project

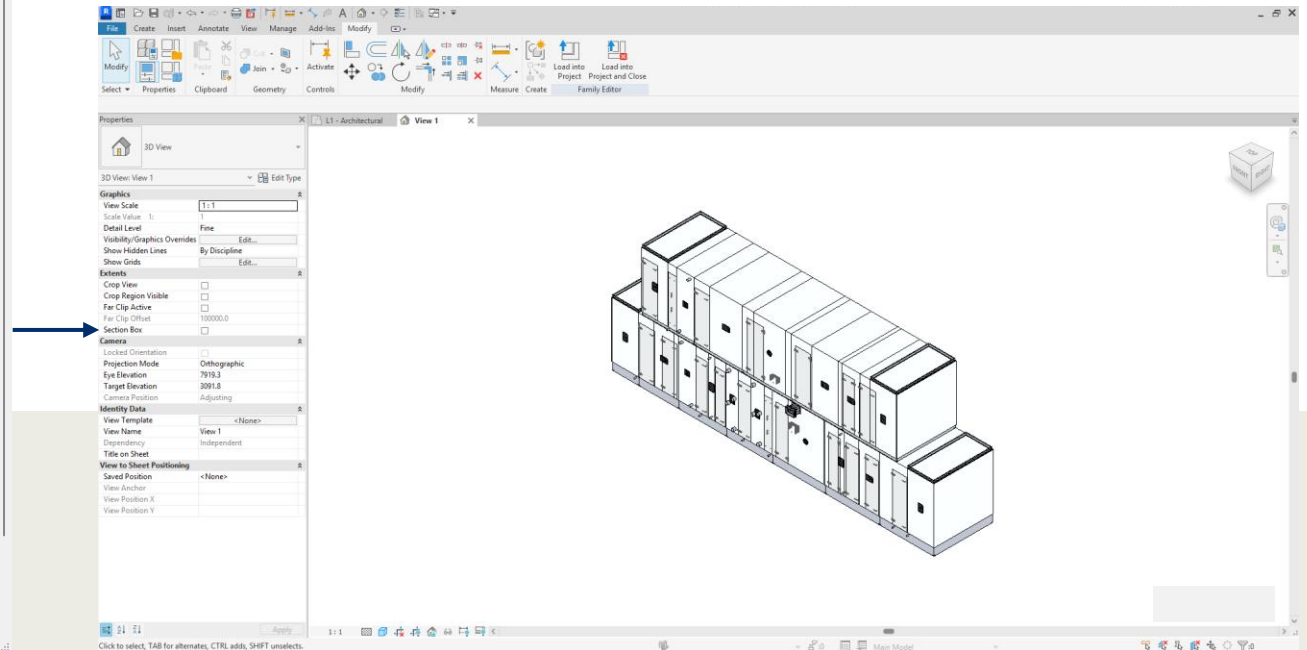


5a

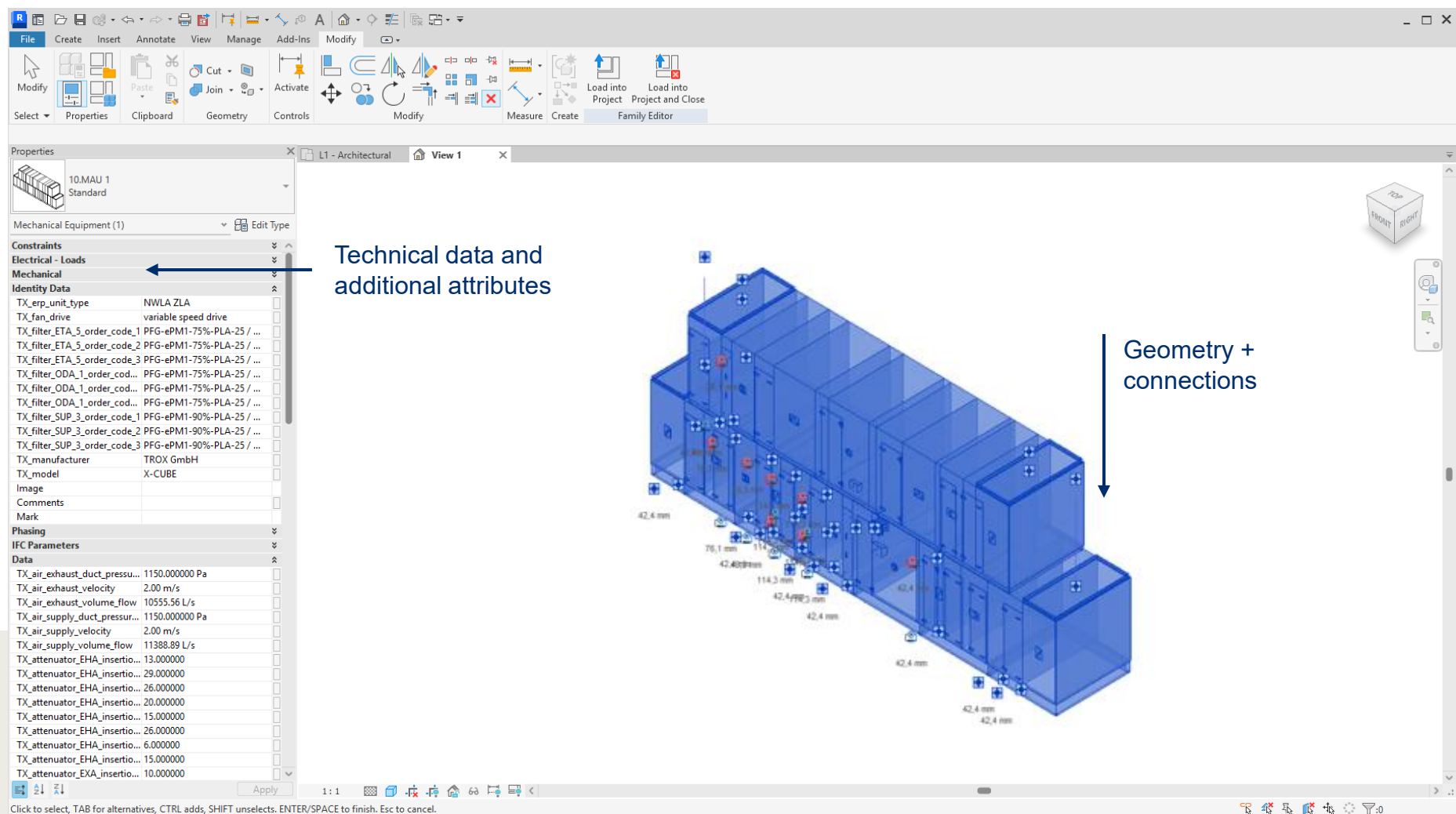
Pressing the „Place” button transfers the selected X-CUBE AHU to the open Revit or AutoCAD project.

5b

Optional:
Open 2D, 3D DWG and DXF files or copy them to the clipboard.



Available content for Revit applications



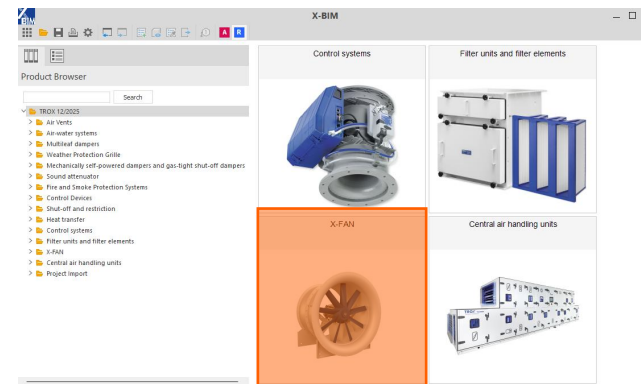
CONFIGURE AND IMPORT TROX X-FANS DEVICES

X-FANS devices

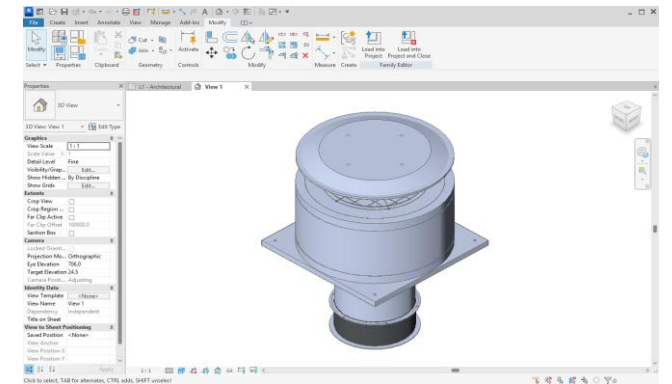
How to create and integrate an X-BIM file for TROX X-FANS devices

X-FANS project file

X-BIM CAD Browser

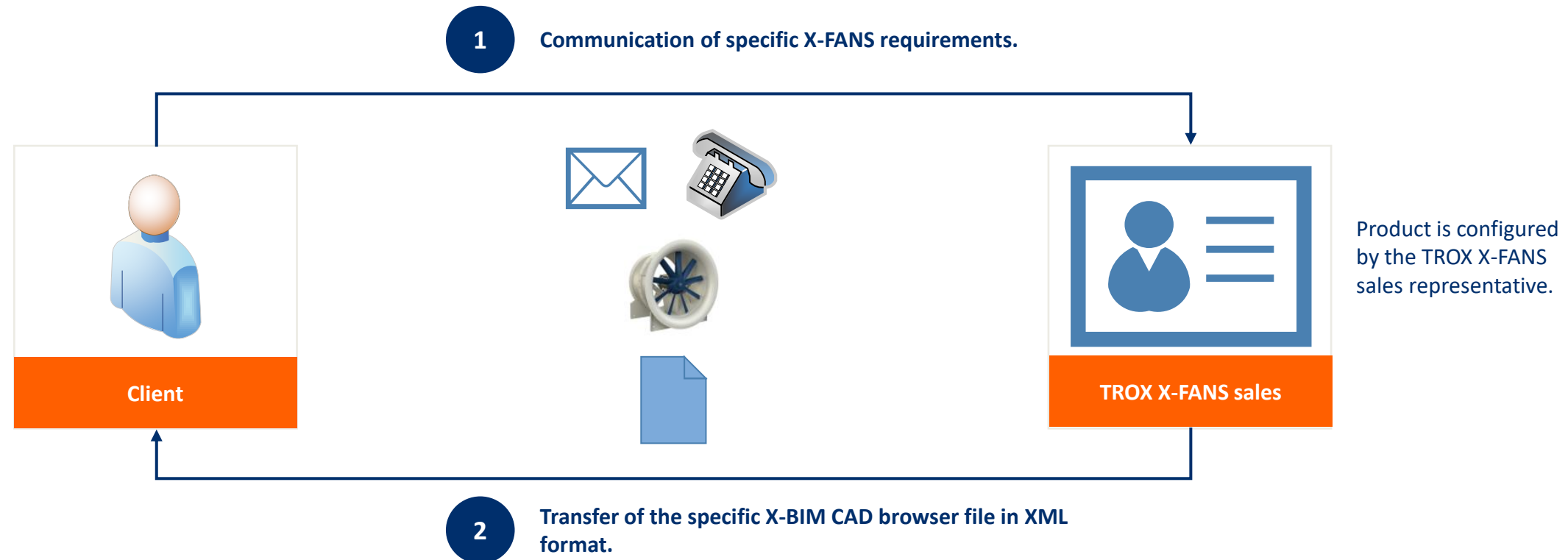


Design software based on Revit or AutoCAD

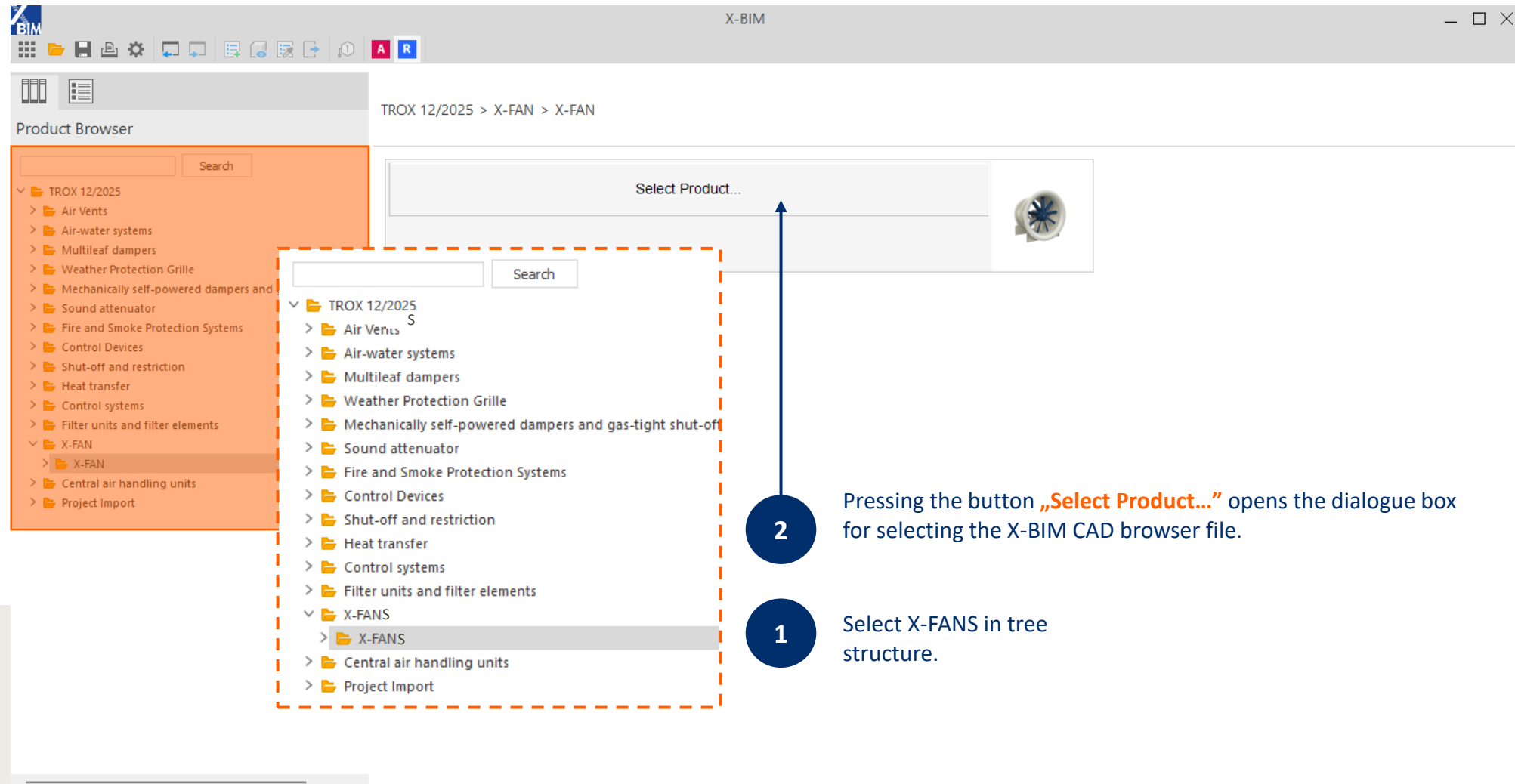


X-FANS product configuration by the TROX X-FANS sales department

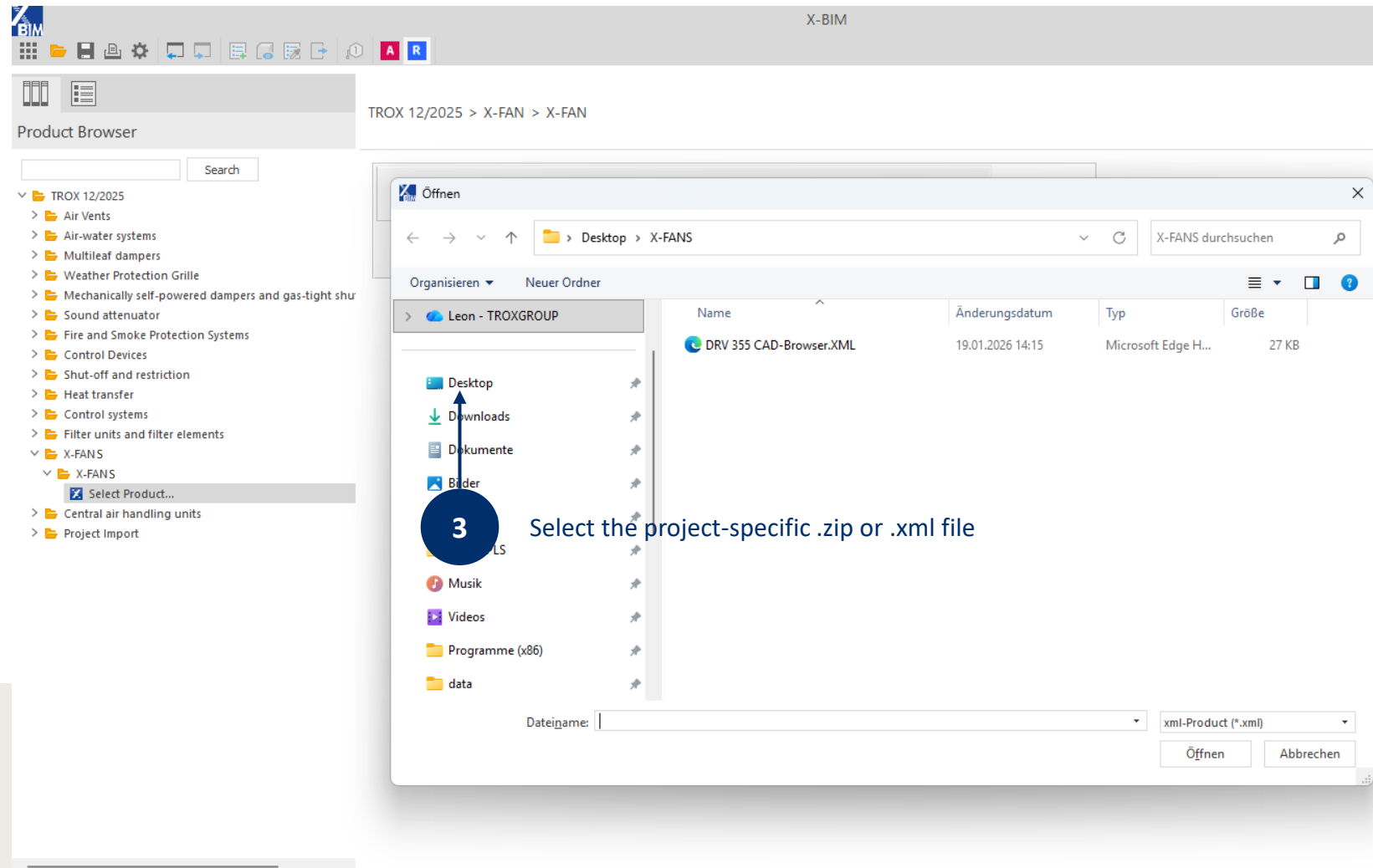
Generation of X-BIM file by TROX X-FANS sales department



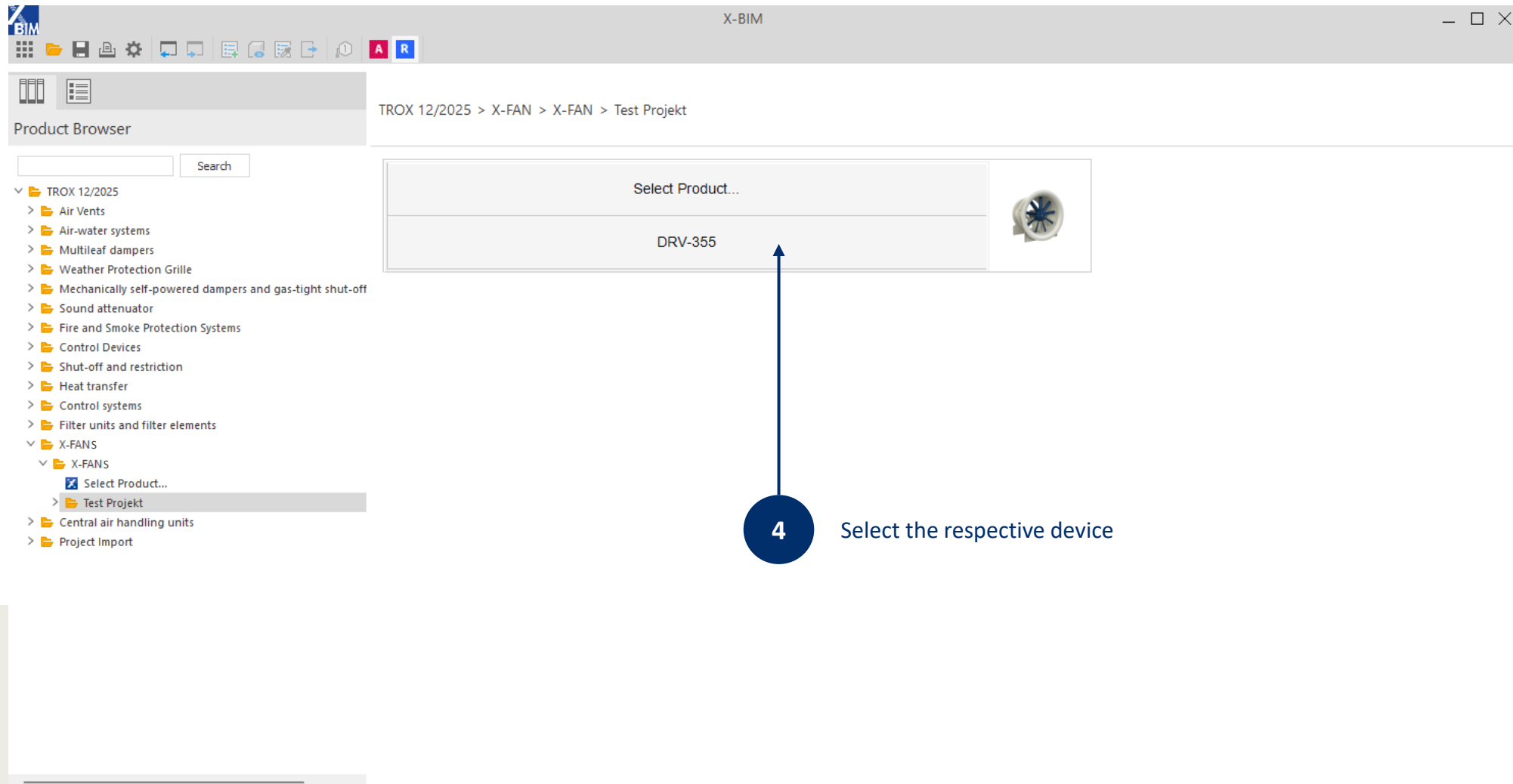
Load X-BIM file of an X-FANS device



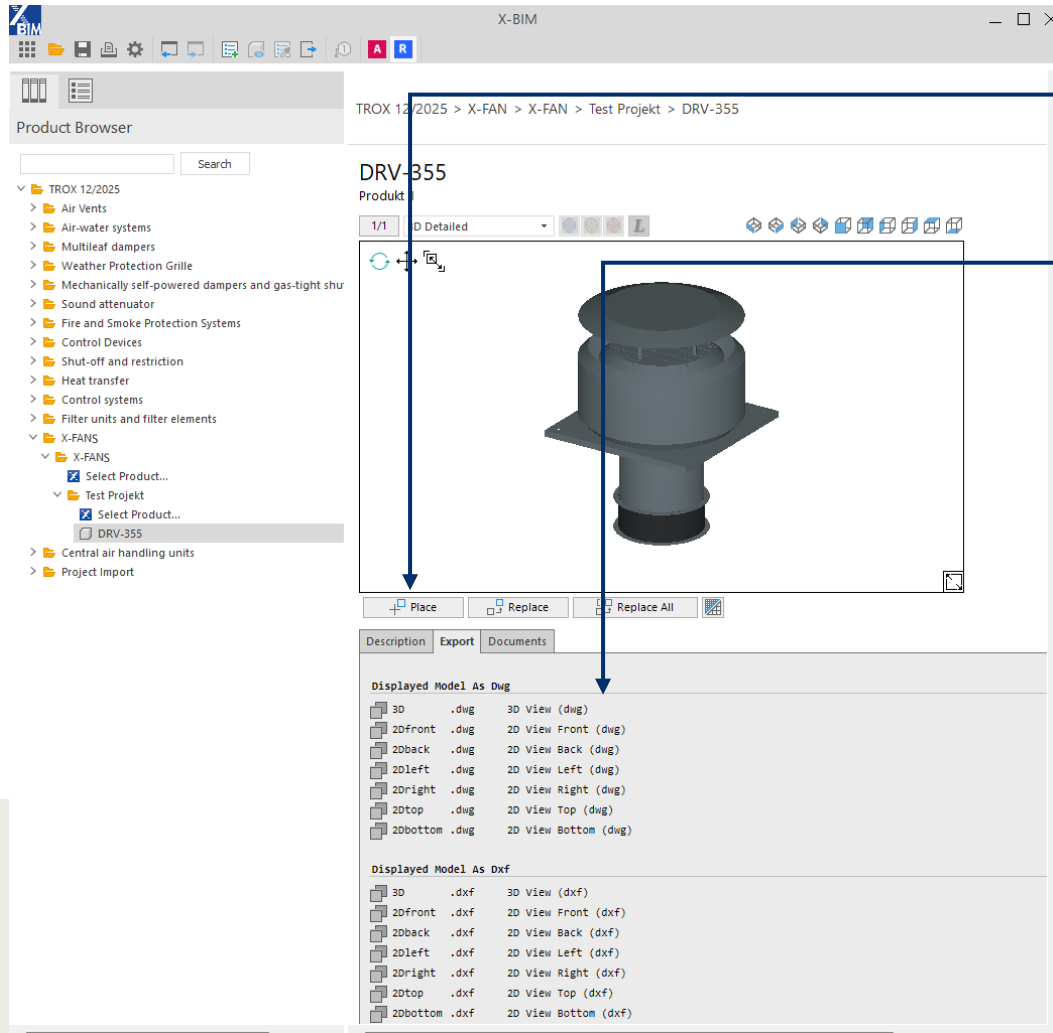
Load X-BIM file of an X-FANS device



Load X-BIM file of an X-FANS device



Load X-BIM file of an X-FANS device

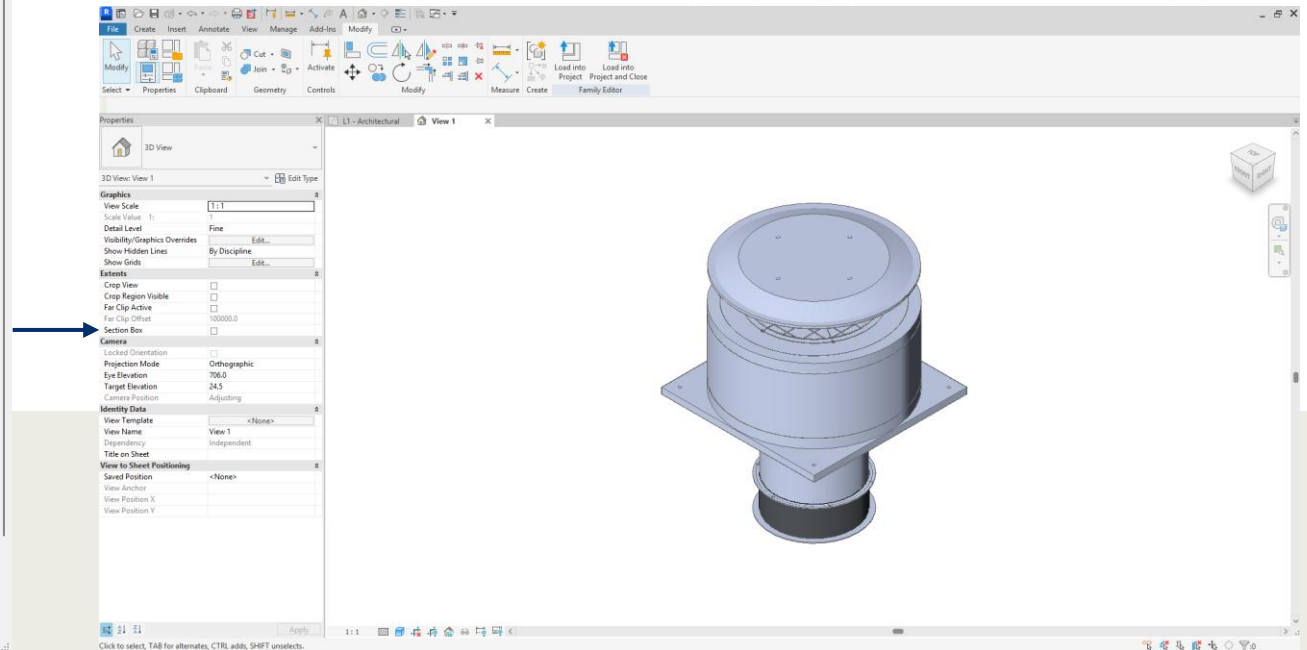


5

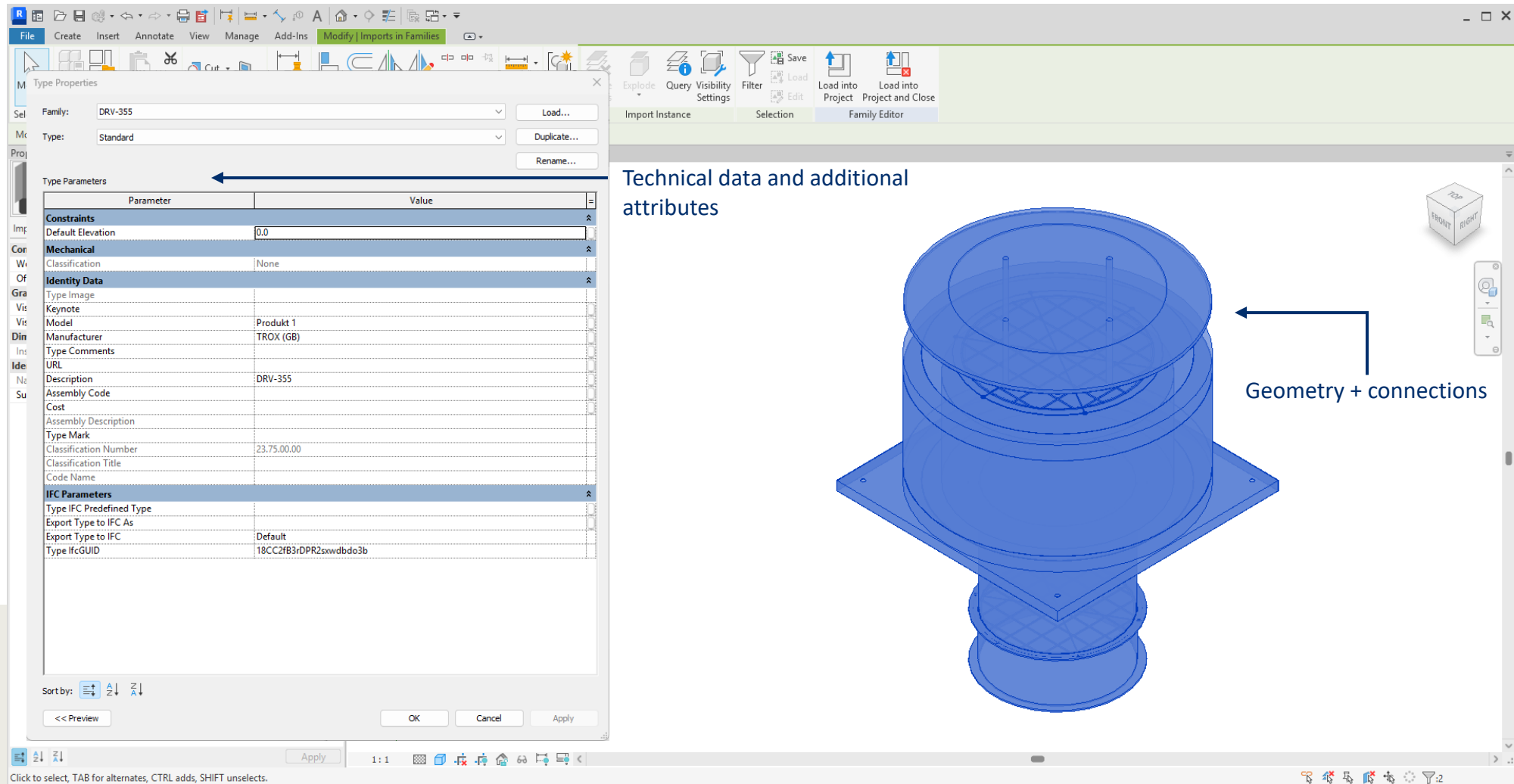
Pressing the „Place” button transfers the selected X-FANS device to the open Revit or AutoCAD project.

5a

Optional:
Open 2D, 3D DWG and DXF files or copy them to the clipboard.



Available content for Revit applications

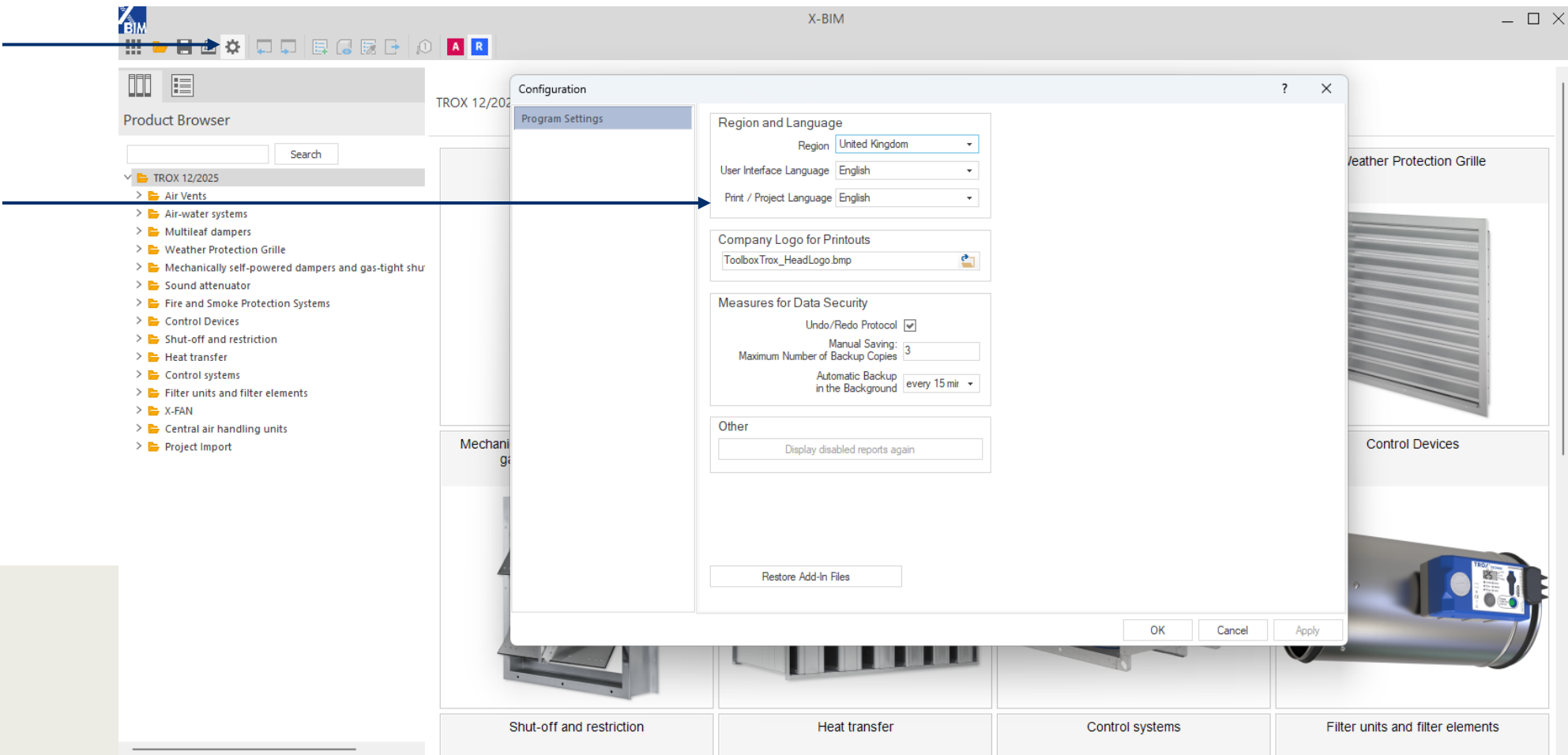


FURTHER INFORMATION

Further programme information

1 Settings

1.1 Market area and language



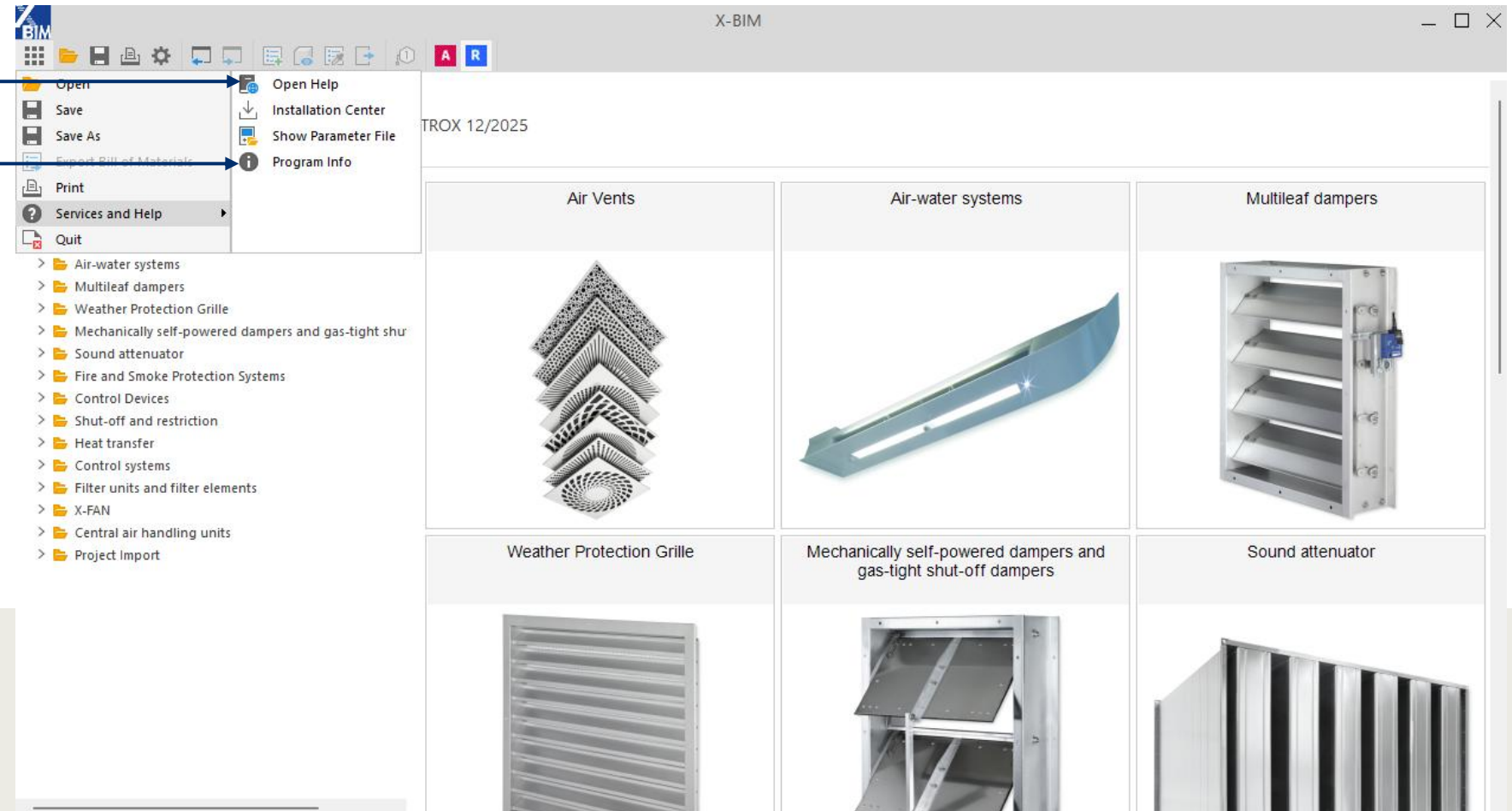
Further programme information

1

Help menu

1.1

Version



The X-BIM CAD Browser is based on a CAD browser product from LINEAR GmbH.

Further programme details are described in the manual. Some functions may deviate from the descriptions in the manual due to technical programme adjustments.