

Admin Tools: Send to EDGE^Cloud



Programmed Result of Tool:

The Send to EDGE^Cloud tool exports one or more assemblies to our EDGE^Cloud web-based service. EDGE^Cloud is a 2D/3D visualization tool that leverages data directly from a Revit model to provide production personnel with an instant and paperless representation of precast concrete elements.

Steps to Perform Tool Operation:

1. Within Project Information, set your export path by assigning values to the following parameters:
 - a. PROJECT_CLIENT_PRECAST_MANUFACTURER
 - b. PROJ_PRODUCING_PLANT
 - c. Project Name
 - d. Project Number
2. Select at least one assembly in the model ready for export
3. Select Send to EDGE^Cloud under the Admin drop-down
4. Sign into your EDGE^Cloud web service account
5. Select if you want to export views, sheets, or both
6. Export

The image shows a dialog box titled 'EDGE^Cloud' with the subtitle 'Upload files to EDGE^Cloud'. It contains two input fields: 'Username' and 'Password'. At the bottom, there are 'Cancel' and 'Login' buttons. A URL, <http://edgeforcloud.com>, is displayed at the bottom of the dialog.

The image shows a dialog box titled 'EDGE^Cloud' with the subtitle 'Export assembly to EDGE^Cloud'. It displays project information: 'Producer: PTAC', 'Plant: FAIRHOPE', and 'Project: TEST PROJECT'. Below this, there are two checked checkboxes: 'Export views' and 'Export sheets'. An 'Export' button is located to the right of these checkboxes. The URL <http://edgeforcloud.com> is shown at the bottom.

Admin Tools: Send to EDGE^Cloud

Project Information

Family: System Family: Project Information Load...

Type: Edit Type...

Instance Parameters - Control selected or to-be-created instance

Parameter	Value
Author	
Data	
PROJECT_CLIENT_PRECAST_MANUFACTURER	PTAC
MODEL_EDITOR_ALLOW_LIST	
REBAR_UPDATER	<input checked="" type="checkbox"/>
REBAR_MULTIPLY_FOR_MARKS	<input checked="" type="checkbox"/>
MESH_MULTIPLY_FOR_MARKS	<input checked="" type="checkbox"/>
LIFTING_MULTIPLY_FOR_MARKS	<input checked="" type="checkbox"/>
PROJ_PRODUCING_PLANT	FAIRHOPE
INSULATION_SCHEDULE_SHEETS	<input checked="" type="checkbox"/>
MESH_SCHEDULE_SHEETS	<input checked="" type="checkbox"/>
ERP_SAVE_FOLDER_PATH	
AUTO_WARPING_CREATE_DIRECT_SHAPES	<input checked="" type="checkbox"/>
BULK_UPDATER_SAVE_FOLDER_PATH	
MODEL_LOCKING_ENABLED	<input checked="" type="checkbox"/>
Route Analysis	
Route Analysis Settings	Edit...
Other	
Project Issue Date	Issue Date
Project Status	Project Status
Client Name	Owner
Project Address	Enter address here
Project Name	TEST PROJECT
Project Number	0000

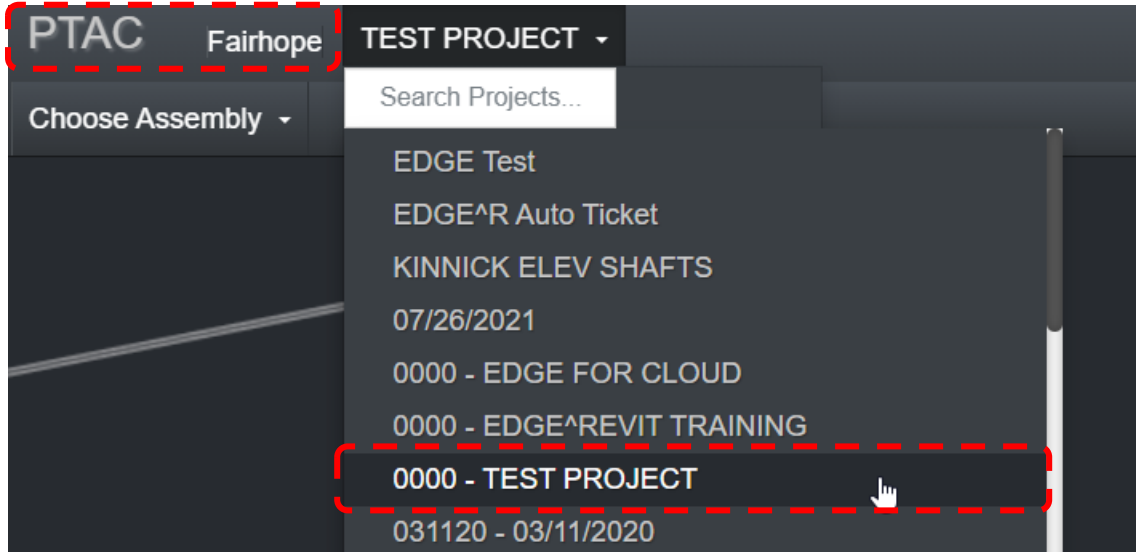
OK Cancel

Expected Interactions within Revit:

- Selection of members to export to EDGE^Cloud:
 - If an assembly is preselected prior to running the Send to EDGE^Cloud tool, then the assembly and its associated sheets/views will be exported
 - If desired, you can customize which specific views or sheets are exported for an assembly by checking or unchecking the IS_CLOUD_VIEW or IS_CLOUD_SHEET parameters on the assembly view or sheet
 - If nothing is selected prior to running the Send to EDGE^Cloud tool, then this will allow the user to export CAD files to the EDGE^Cloud website rather than Revit model data
 - With this workflow, the user must specify the Producer, Plant, Project #, Project Name, and Assembly name that the CAD file should be exported to on the EDGE^Cloud site
 - The following file formats are supported for export: .dwg, .dxf, .dwfx
- If desired, you can specify a different plant location for export per assembly (i.e. different from the assigned PROJ_PRODUCING_PLANT) by writing to the PIECE_PLANT parameter on the Structural Framing category member prior to exporting the assembly



Admin Tools: Send To EDGE^Cloud



Expected Interactions on the EDGE^Cloud website:

- Once exported, the selected assembly or CAD files can now be viewed on the EDGE^Cloud website (<https://edgeforcloud.com>)
- EDGE^Cloud offers a variety of tools that can be used in either the 3D or the 2D views
- Markup Tools:
 - **Load:** Allows the user to load previously saved markup revisions
 - **New:** Lets the user add new markups to sheet
 - **History:** Provides a log of timestamps for revisions made to the sheet and the accounts who made them
 - **Checklist:** A list that the user can refer to and checkoff as they review the piece
 - **Tools:** The user can select between different markup styles to add to the sheet. Such styles include Text, Arrow, Cloud, Rectangle, Circle, Highlight, and Markup
 - **Type:** If your account role allows it, Type is where you can switch between different roles such as QC Pre-Pour and QC Post-Pour
- Control:
 - **Charts:** Shows a pie chart quantifying the pieces in the project that have been reinforced, detailed, or released based on the lased exported assembly for that project
 - **Fabricator Notes:** A note that is brought in by the parameter FABRICATOR_NOTES from the Revit model
 - **Measurement:** A tool that lets you measure aspects of the element that might not be detailed on the sheet
 - **Screen Shot:** Provides a quick and easy screenshot function for emailing non-present personnel
 - **Annotation:** Click and place annotations of elements in the assembly
 - **Section Box:** Create and edit a section box of the 3D model
 - **Preview:** Set the preview rotation speed of the assembly in the 3D model



Admin Tools: Send To EDGE^Cloud

Expected Interactions on the EDGE^Cloud website:

- **Transparency:** Allows you to set concrete transparency of the 3D model
- **Embed, Lifting, Rebar, or Strand** toggle the visibility of those elements when selected
- **Properties:** Displays more information about and parameters of selected elements
- **B.O.M:** Shows the bill of materials for the assembly
- **Member Info:** Lists parameters of the assembly from Revit
 - CONTROL NUMBERS displays each CONTROL_NUMBER associated with that CONTROL_MARK from the Revit model
 - TOTAL WEIGHT is the summation of the weights of all precast concrete elements within the assembly
 - TOTAL VOLUME is the summation of the volumes of all precast concrete elements within the assembly
 - RELEASE STRENGTH displays the parameter value of RELEASE_STRENGTH
 - FINAL STRENGTH displays the parameter value of FINAL_STRENGTH
 - STRUCTURAL VOLUME displays the volume of elements within the assembly that have a material of PRECAST CONCRETE
 - ARCHITECTURAL VOLUME displays up to 4 architectural mixes per assembly. This will report the volumes of the elements within the assembly that have a material containing ARCHITECTURAL PRECAST CONCRETE
- Change the visibility of certain elements by toggling options under Production Sequence. Options include Form Geometry, Top as Cast Plates, Bottom as Cast Plates, Side in Form Plates, Reinforcement, Lifting, or Reset Production Sequence
 - The parameter LOCATION_IN_FORM dictates whether an embeds visibility is toggled by Bottom as Cast Plates, Top as Cast Plates, or Side in Form Plates
 - If LOCATION_IN_FORM is empty when the assembly is exported, then EDGE^Cloud will determine the value for the embed on export
- Selecting your role icon at the top, next to sign out, allows you to change a few settings. If your account privileges allow it, you can edit the Markup Color, Role, Producer, Plant, or Project for yourself or another user

