

RIB iTWO 3D Release Note

About Release

Release Version:

Release Date: 2018-11

Release Language: English, German, Chinese

Supported Environment:

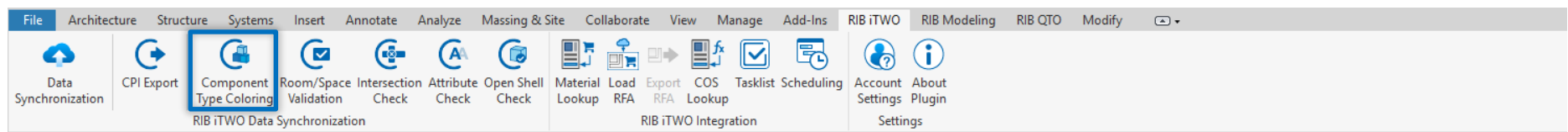
- Operating System: Windows 7, Windows 10
- BIM Modeling Software: Revit 2017/2018/2019
- iTWO Integrated Environment: RIB iTWO Baseline 2017/2018, iTWO Cloud(iTWO 4.0, YTWO ,MTWO)
- Browser Integrated Environment: Chrome (recommended), Internet Explorer, Microsoft Edge, Firefox, Safari

Product Center Address: <http://itwo3dws.rib-software.com/>

Updated Content

RIB iTWO

- Component Type Coloring

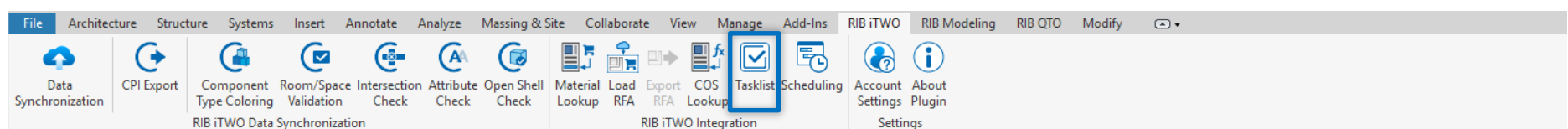


Location: RIB iTWO >> RIB iTWO Date Synchronization>> Component Type Coloring

Function: Added Component Type Coloring function, which can be used to color different CPI component types in model.

- Support customized modification of CPI component type mapping rules.
- Support customized color schemes.
- Support import and export CPI component type mapping rules.
- Support import and export color schemes.

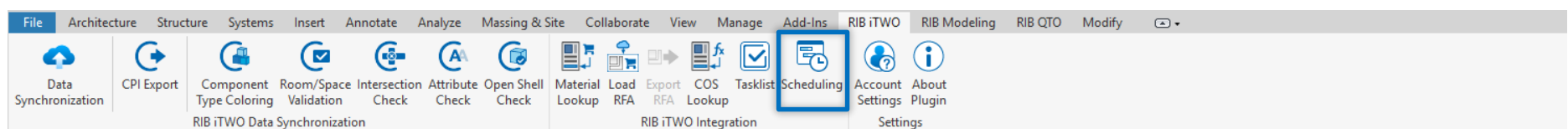
- Tasklist



Location: RIB iTWO >> RIB iTWO Integration>> Tasklist

Function: Added Tasklist function, which can manage the To-Do list from iTWO 4.0 in Revit.

- Scheduling

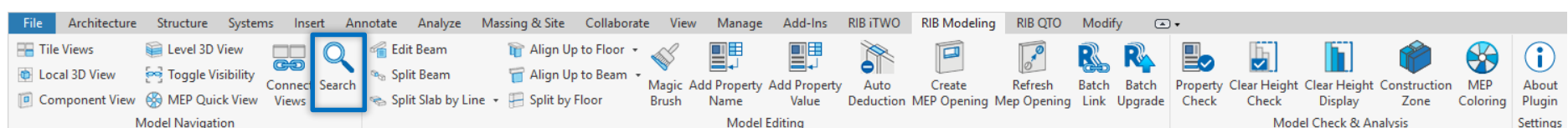


Location: RIB iTWO >> RIB iTWO Integration>> Scheduling

Function: Added Scheduling function, which can display the task schedules from iTWO 4.0 project in Revit.

RIB Modeling

- Search

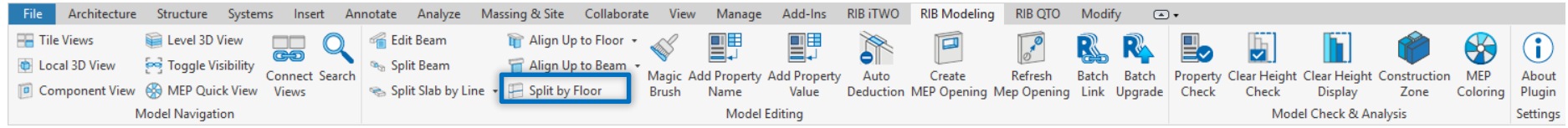


Location: RIB Modeling >> Model Navigation >> Search

Function: In a similar way to Google, quickly search for model artifacts and add attributes.

- Add support for search components in the link file.
- Add support for adding attributes to the component in the link file.

• Split by Floor

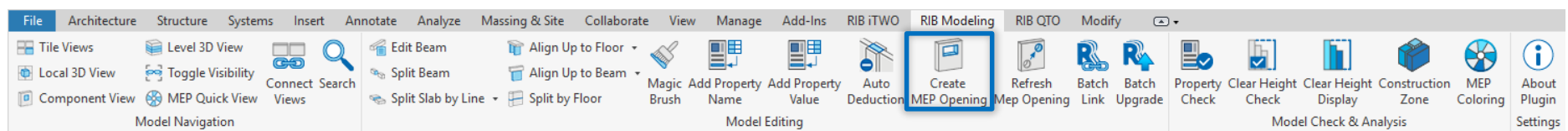


Location: RIB Modeling >> Model Navigation >> Split by Floor

Function: Auto align walls to a selected floor (including slant floor/slab) or align columns to a selected beam in batch.

- Add support for splitting special-shaped wall which has been attached to other objects.
- Additional notification for untreated situations (such as curtain walls, etc).

• Create MEP Opening

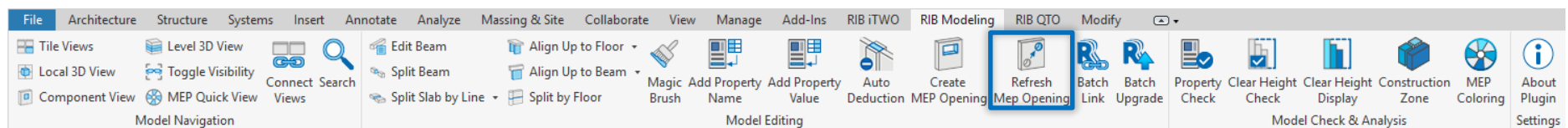


Location: RIB Modeling >> Model Editing >> Create MEP Opening

Function: Added Create MEP Opening function, which can generate openings for structural beams, structural walls and structural floors through pipe, duct and cable tray.

- Support for custom selection of MEP component to be processed.
- Support selection of MEP source in current file and/or link file.
- Support selection of opening object.
- Support selection of opening method.
- Support the option of adding casing.

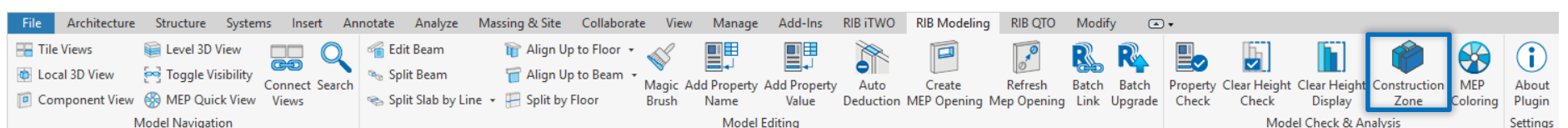
• Refresh MEP Opening



Location: RIB Modeling >> Model Editing >> Refresh MEP Opening

Function: Added Refresh MEP Opening function, which can refresh the position/size of the opening (generated by Create MEP Opening).

• Construction Zone



Location: RIB Modeling >> Model Check & Analysis >> Construction Zone

Function: Added Construction Zone function, which can divide the structure model into several construction zones.

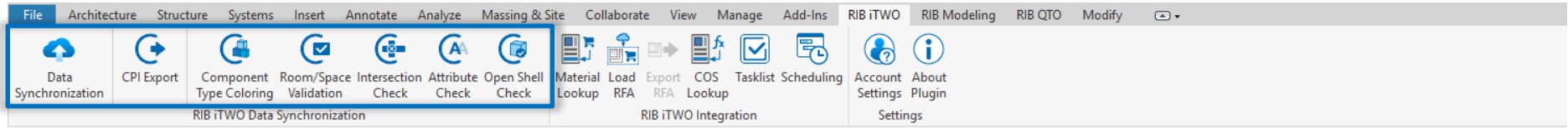
- Support adding different colors to the structural element in each construction zone.
- Support display the information of each split parts.
- Support individual QTO statistics of each construction zone.

Product Functionality

RIB iTWO 3D provides over 40 Revit-based features, mainly including the following four parts:

1. Integrate with iTWO platform solution (iTWO baseline, iTWO 4.0 and YTWO).
2. Fast model navigation and editing for contractor, subcontractor, real estate developer, owner and investor.
3. Model check for enterprise or project standards.
4. Quantity take-off and attached as the property of Revit elements.

RIB iTWO Data Synchronization



- **Data Synchronization**

Location: RIB iTWO >> RIB iTWO Data Synchronization >> Data Synchronization

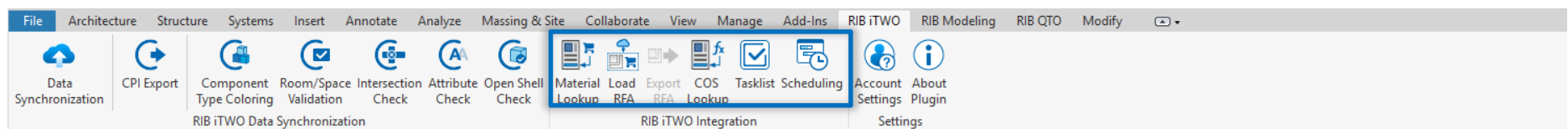
Function: Data Synchronization uses the most advanced technologies to synchronize the model data from Revit to iTWO.

- **CPI Export**

Location: RIB iTWO >> RIB iTWO Data Synchronization >> CPI Export

Function: The Revit model can be exported as a CPI data file with a simple setup.

RIB iTWO Integration



- **Material Lookup**

Location: RIB iTWO >> RIB iTWO Integration >> Material Lookup

Function: Integrate the material information from RIB iTWO 4.0 or Ytwo catalogue to model objects.

- **Load RFA**

Location: RIB iTWO >> RIB iTWO Integration >> Load RFA

Function: Download family model from RIB iTWO 4.0 or Ytwo catalogue and load into the opened project with the material information.

- **Export RFA**

Location: RIB iTWO >> RIB iTWO Integration >> Export RFA

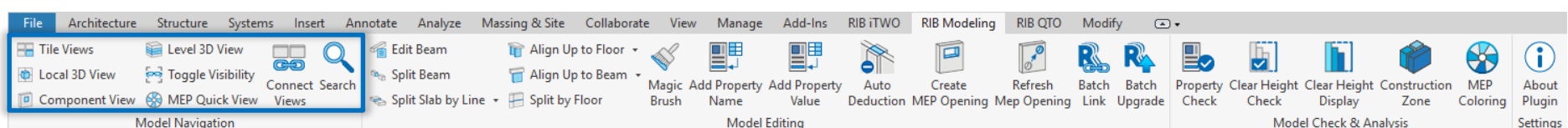
Function: Export the RFA files as CPIXML files in order to help suppliers present material samples on RIB iTWO 4.0 or Ytwo catalogue.

- **COS Lookup**

Location: RIB iTWO >> RIB iTWO Integration >> COS Lookup

Function: Integrate iTWO 4.0 construction system master (COS Master) to Revit model objects.

Model Navigation



- **Tile Views**

Location: RIB Modeling >> Model Navigation >> Tile Views

Function: Create and tile four standard views in Revit workspace.

- **Local 3D View**

Location: RIB Modeling >> Model Navigation >> Level 3D View

Function: Generate a 3d view of the selected component.

- **Component View**

Location: RIB Modeling >> Model Navigation >> Component View

Function: Isolate the selected model object and generate new views.

- **Level 3D View**

Location: RIB Modeling >> Model Navigation >> Level 3D View

Function: Quickly generate a 3d view of the selected level. Support setting top and/or bottom offset.

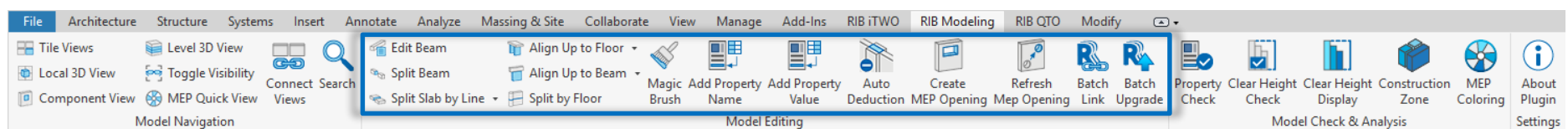
- **Toggle Visibility**

Location: RIB Modeling >> Model Navigation >> Toggle Visibility

Function: Quickly hide/show the selected objects.

- **MEP quick view**
Location: RIB Modeling >> Model Navigation >> MEP quick view
Function: Display all model objects which are in the selected MEP systems and multiple MEP system can be selected simultaneously.
- **Connect Views**
Location: RIB Modeling >> Model Navigation >> Connect Views
Function: Switch on or off the ability to synchronize all views together for zoom and pan operation.
- **Search**
Location: RIB Modeling >> Model Navigation >> Search
Function: In a similar way to Google, quickly search for model artifacts and add attributes.

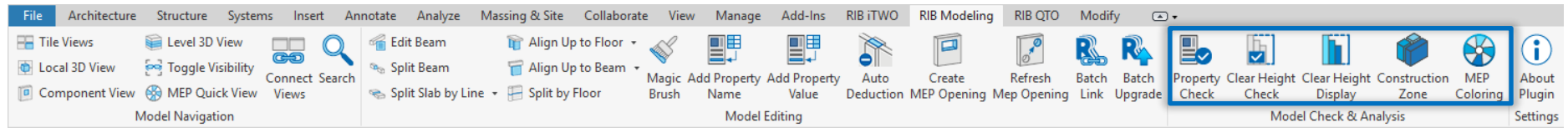
Model Editing



- **Edit Beam**
Location: RIB Modeling >> Model Editing >> Edit Beam
Function: Fast change a type of beam, including name, width, and height, by single or multiple editing.
- **Split Beam**
Location: RIB Modeling >> Model Editing >> Split Beam
Function: Fast split beam objects within single or multiple beams, slant beams are also supported.
- **Split Slab by Line / Point**
Location: RIB Modeling >> Model Editing >> Split Slab by Line / Point
Function: Fast split slab or slant slab objects by line or point.
- **Align Up / Down to Floor**
Location: RIB Modeling >> Model Editing >> Align Up / Down to Floor
Function: Attaches walls or columns to floors.
- **Align Up / Down to Beam**
Location: RIB Modeling >> Model Editing >> Align Up / Down to Beam
Function: Attaches walls or columns to beams.
- **Split By Floor**
Location: RIB Modeling >> Model Editing >> Split By Floor
Function: Fast split walls/columns by a selected floor in batch, including slant floors/slabs or slant columns.
- **Magic Brush**
Location: RIB Modeling >> Model Editing >> Magic Brush
Function: Copy properties of source object to the target objects.
- **Add Property Name**
Location: RIB Modeling >> Model Editing >> Add Property Name
Function: Fast add / modify / delete properties name of objects in batch by importing an Excel sheet.
- **Add Property Value**
Location: RIB Modeling >> Model Editing >> Add Property Value
Function: Fast add / modify / delete properties value of objects in batch by importing an Excel sheet.
- **Auto Deduction**
Location: RIB Modeling >> Model Editing >> Auto Deduction
Function: Based on engineering measurement deduction rules automatic deduction model components overlap or correct the wrong connection relationship.
- **Batch Link**
Location: RIB Modeling >> Model Editing >> Batch Link
Function: Fast link RVT file into the active project file in batch.
- **Batch Upgrade**

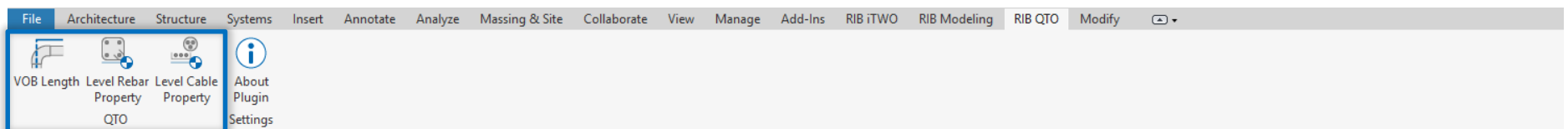
Location: RIB Modeling >> Model Editing >> Batch Upgrade
 Function: Upgrade RVT/RFA files to the current Revit version in batch.

Model Check & Analysis



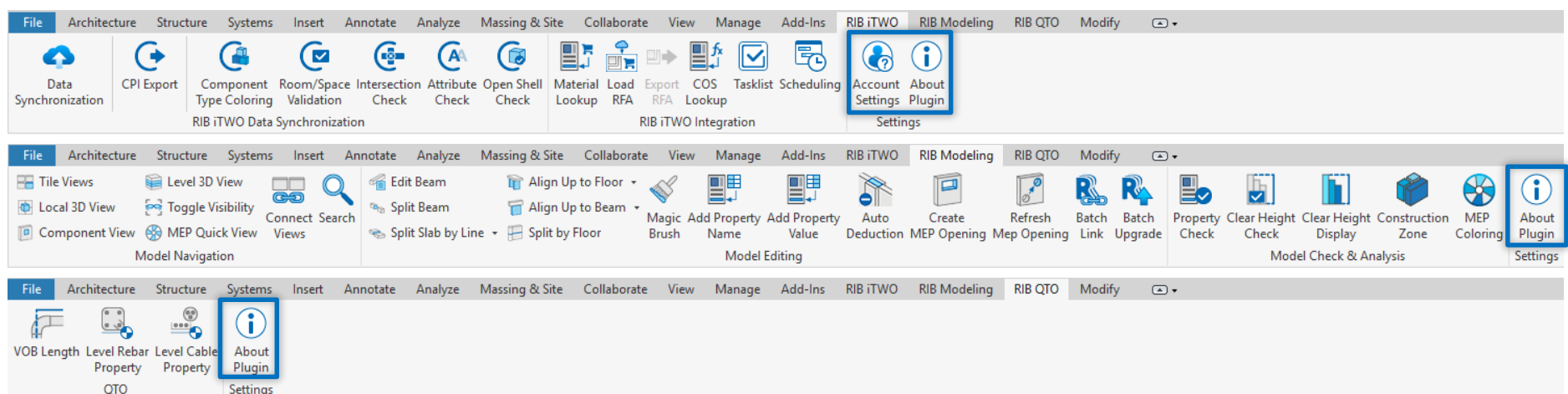
- Property Check**
 Location: RIB Modeling >> Model Check & Analysis >> Property Check
 Function: Check the compliance of model attributes based on enterprise standards or project standards for further engineering calculations.
- Clear Height Check**
 Location: RIB Modeling >> Model Check & Analysis >> Clear Height Check
 Function: Calculate the clear height of selected types of objects in selected rooms or all rooms of a certain level.
- Clear Height Display**
 Location: RIB Modeling >> Model Check & Analysis >> Clear Height Display
 Function: Calculate the clear height of selected types of objects in all rooms of a certain level, and display the clear height of rooms with color and annotation in the active 2D plan view.
- MEP Coloring**
 Location: RIB Modeling >> Model Check & Analysis >> MEP Coloring
 Function: Fast color different MEP systems with user-defined colors.

QTO



- VOB Length**
 Location: RIB QTO >> QTO >> VOB Length
 Function: Calculate the length of all pipes in batch via VOB German standard and assign the length value to the property LengthVOB.
- Level Rebar Property**
 Location: RIB QTO >> QTO >> Level Rebar Property
 Function: Add all types of rebar as weight properties of its level by importing an Excel sheet
- Level Cable Property**
 Location: RIB QTO >> QTO >> Level Cable Property
 Function: Add all types of cable as length properties of its level by importing an Excel sheet.

Settings



- Account Setting**
 Location: RIB iTWO >> Settings >> Account Settings

Function: Connect RIB iTWO 4.0 or YTWO by one login for all functions of Data Synchronization, COS Lookup, Material Lookup, and Load RFA.

- **About Plugin**

Location: RIB iTWO >> Settings >> About Plugin

RIB Modeling >> Settings >> About Plugin

RIB QTO >> Settings >> About Plugin

Function: Auto download and update the iTWO 3D product online, which can be postponed to download or install and the system will remind users again in 7 days.