Parameters

Parameters configuration

The first thing you need to do when you starts up a new BIMeye project is to decide which parameters do you need to be able to handle the delivery of information or create the reports required in the project. You also need to decide if you want to work with the information in BIMeye or if you want to synchronise it from the model (can be changed during the project). You can also with Roles set the user rights and define who will be able to read the information and who can change it.

You need to be an administrator/project owner to be able to do parameter configurations.

There is five different ways of configure parameters in a project and all new projects starts with a standard configuration.

1. Copy configuration from another project
2. Start from existing parameter
3. Start from parameter from model
4. Manually
5. Import from excel (superusers only)

The delivery requirements and report layout is often the answer to which parameters that are needed in a project.

> *The sorting of the parameters in the different views in BIMeye is alphbetic and to get the parameters in the right order you can give them a number and group them, then it is easy to find them and give the right user rights to edit and read them.*

Create parameters
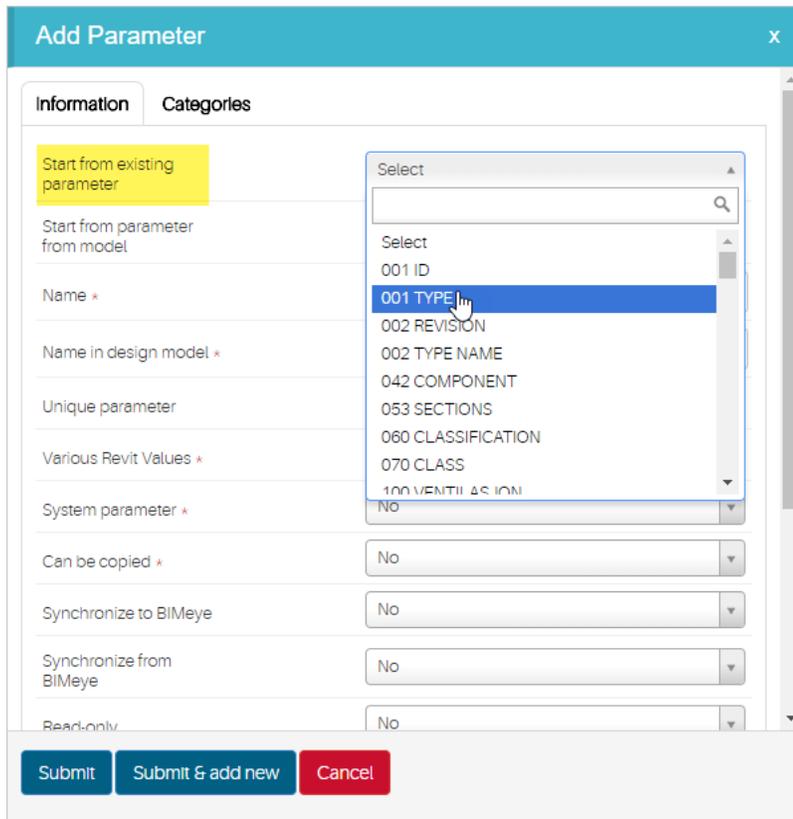
Parameters/ Add Parameter

Copy configuration from another project

If you already have been working with BIMeye in a project and now starts up a new similar project with the same layout on reports etc. The fastest way to configure a project is to ask us to copy the configuration from another project. You can select to copy only the parameter configuation or the configuration with values (lock combinations, material lists etc)
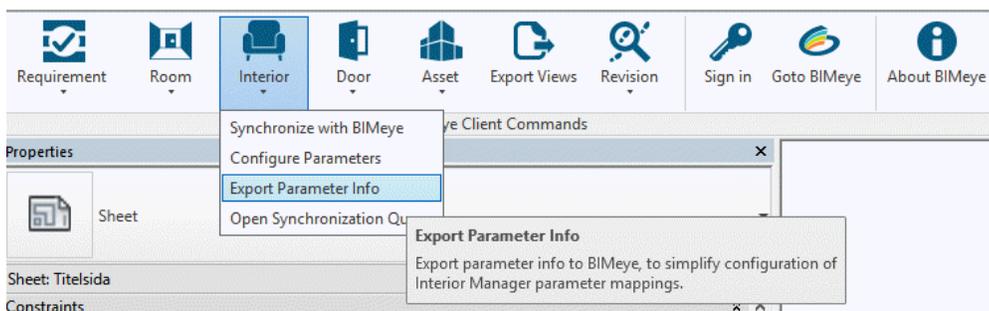
Start from existing parameter

The first option you can choose when you are configuring a parameter is "Start from exisiting parameter". From the value list you can select one of the parameters that are already existing in your project as a template for your new parameters all the settings will be the same and you only need to add the Name of the parameter and maybe Name in model if you want to synchronise the values from or to BIMeye/model.
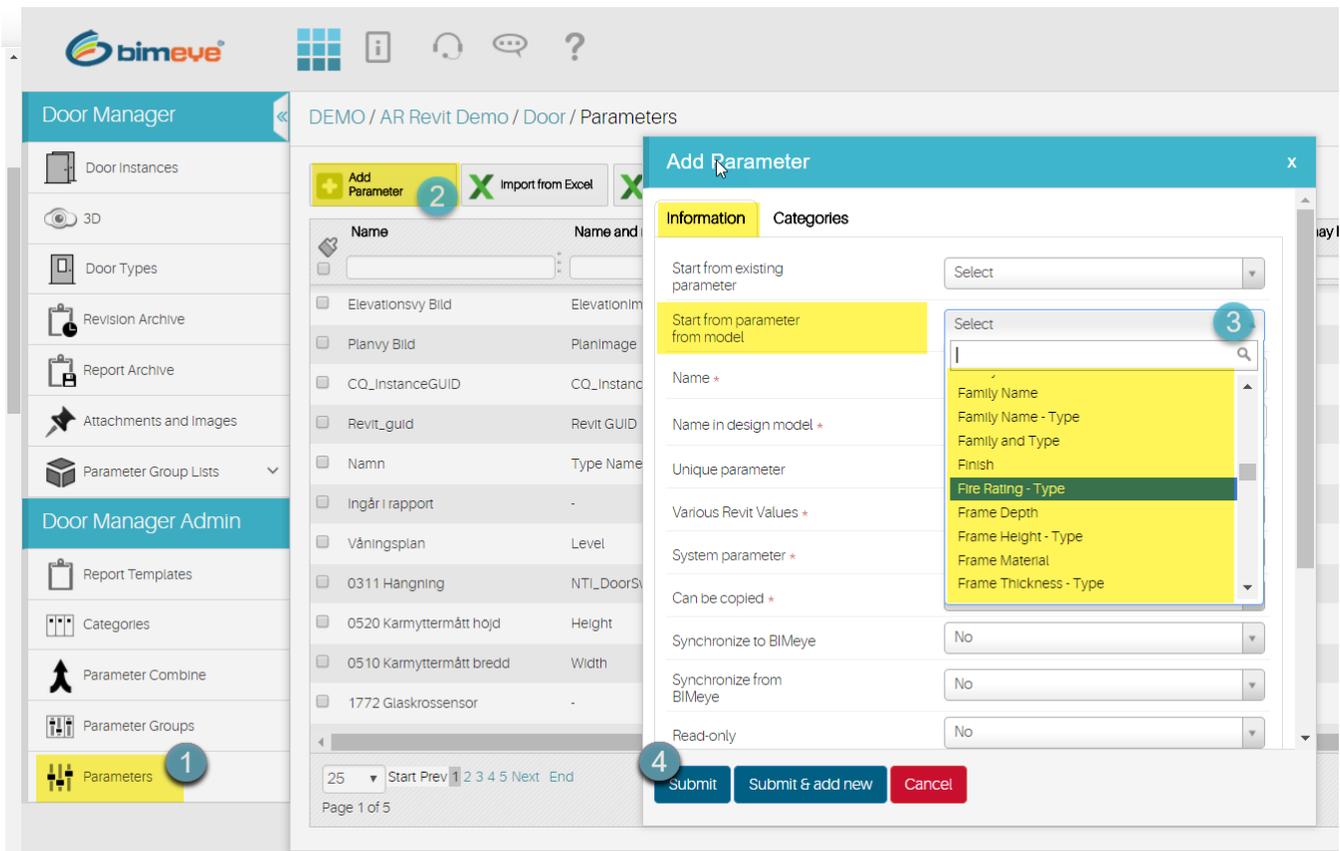

Start from parameter from model (Revit users only!)

If you are using Revit as the Design tool in your project you can use the Export Parameter Info to get a list of all avalible parameters on the categories you are synchronising to BIMeye.

With the Export Parameter Info button you can export all parameters (name and settings) that are connected to your objects in the model and then use that information when you create parameters in BIMeye.

After you have used Export Parameter Info you can use that information when you create/add new parameters in BIMeye. All parameters name and settings are selectable in the value list on Start from parameter from model option in the configuration. You just need to add Name (If you want to change it), and set the sync direction to from or to BIMeye.

Manually

Name	
Name of the parameter in BIMeye. *If you change the name in BIMeye you also need to check your report template!*	

Name in design model

Name in Model, here you define the name of the parameter inside your model that you wish to synchronise information to or from the model/ BIMeye.

ARCHICAD

Revit

SimpleBIM

Add Parameter   x

| Information | Categories |

Start from existing parameter	Select ▼
Start from parameter from model	Select ▼
Name *	Name in BIMeye
Name in design model *	Comments
Unique parameter	▼
Various Revit Values *	No ▼
System parameter *	No ▼
Can be copied *	No ▼
Synchronize to BIMeye	No ▼
Synchronize from BIMeye	No ▼
Read-only	No ▼

[Submit] [Submit & add new] [Cancel]

Unique parameter

Only one unique parameter should exist in the project and that is the system parameter CQInstanceGUID.

Parameter: CQ_InstanceGUID   x

| Information | Categories | Groups | Value |

Name *	CQ_InstanceGUID
Name in design model *	CQ_InstanceGUID
Unique parameter	Yes ▼
Various Revit Values *	No ▼
System parameter *	Yes ▼
Can be copied *	No ▼
Synchronize to BIMeye	Yes ▼
Synchronize from BIMeye	Yes ▼
Read-only	No ▼
Parameter type	Instance ▼
Data type	Text (255 characters) ▼

[Submit] [Cancel]

Various Revit Values

Some parameters in Revit are displayed in one format in Revit but are exported as another one to BIMeye. Example is Functions on Doors (Interior/Exterior) is exported as 0/1. If you select Yes on this setting you can use the mapping on the Parameters Value tab to translate these numbers to values.

Only working for translating some specific Revit parameters like Function, Structural Usage etc.

Add Parameter   x

Information   Categories

Start from existing parameter	Select	▼
Start from parameter from model	Select	▼
Name *	Name in BIMeye	
Name in design model *	Comments	
Unique parameter		▼
Various Revit Values *	No	▲
	🔍	
	No	
	Yes	
System parameter *		
Can be copied *		
Synchronize to BIMeye	No	▼
Synchronize from BIMeye	No	▼
Read-only	No	▼

Submit   Submit & add new   Cancel
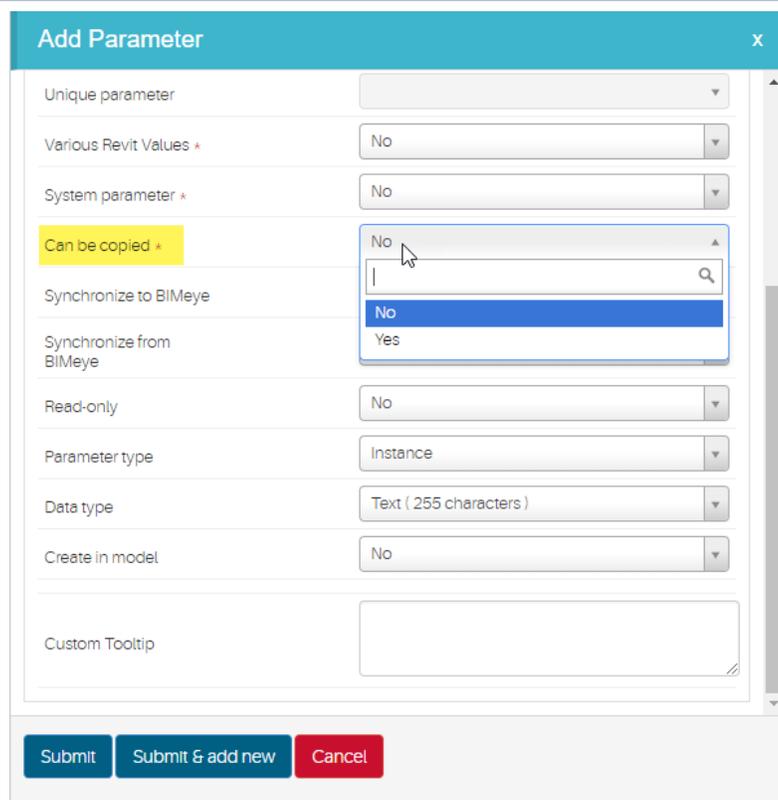

System parameter

If you select yes the parameter is locked in the parameter view to prevent them from being deleted from the project. All defalult systemparameters are needed for BIMeye to work correctly. Some of them are editable but please check with the BIMeye support team before you do changes on a Systemparameter!

Add Parameter   x

Information   Categories

Start from existing parameter	Select	▼
Start from parameter from model	Select	▼
Name *	Name in BIMeye	
Name in design model *	Comments	
Unique parameter		▼
Various Revit Values *	No	▼
System parameter *	No	▲
	🔍	
	No	
Can be copied *	Yes	
Synchronize to BIMeye		
Synchronize from BIMeye	No	▼
Read-only	No	▼

Submit   Submit & add new   Cancel

Can be copied

Yes, allows the value to be copied with the Copy function from one room to another.
No, the value can not be copied.

Synchronise to BIMeye
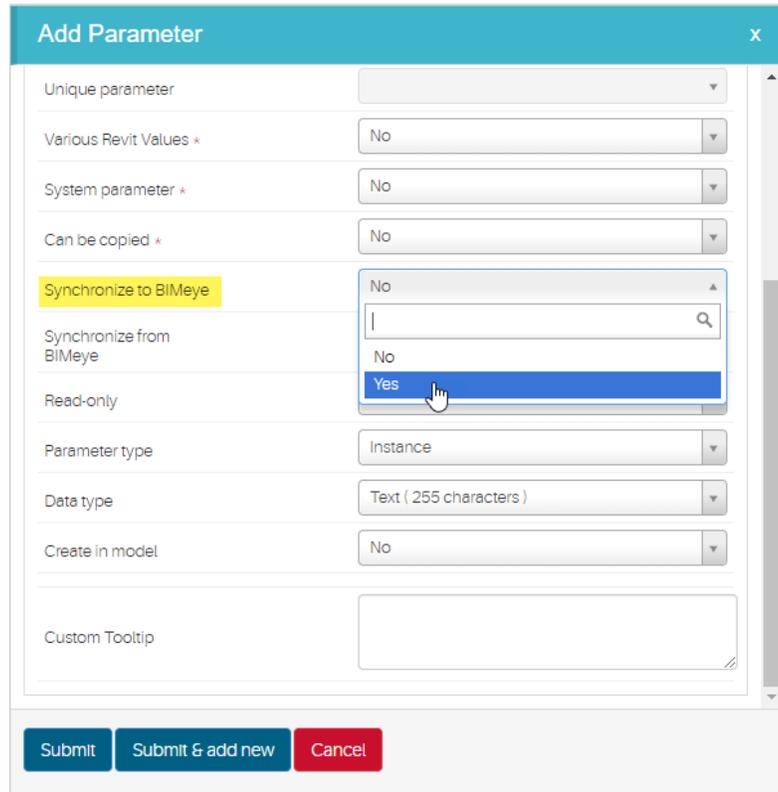
If you select Yes you also need to add the Name of the parameter in your Design model that you want to synchronise values from. If you select No the value will not be synchronised from the model.

A parameter that are synchronising the values from the Design model to BIMeye is automatically getting the value Yes on the setting Read-only. To prevent users from changing the values in BIMeye and then be overwritten the next time they synchronize the modell.

Note! Only one sychronisation direction from or to BIMeye is recommended!

Synchronise from BIMeye

If you select Yes you also need to add the Name of the parameter in your Design model that you want to synchronize values to. If you select No the values will not be synchronized to the model.

Read-only

A parameter that are synchronising the values from the Design modell to BIMeye is automatically getting the value Yes on the setting Read-only. To prevent users from changing the values in BIMeye and then be overwritten the next time they synchronise the modell.

Parameter type

Instance- most common, use this if you want to add a parameter on a object

Type- in Revit you also have type parameters, use this to create a type parameter on a object

Room- use this to create parameters on the objects getting their values from the room the object is hosted in. (Room/Zone /Space number-name)

Project information- use this to get values fromm the project information synced to parameters on your object. (Project Name, Project Status etc.)

From Room- to synchronise infromation from the room the door goes from. (from Room/Zone/Space number-name)

To Room- to synchronise infromation from the room the door goes to. (to Room /Zone/Space number-name)

Add Parameter   x

Unique parameter	▼
Various Revit Values *	No
System parameter *	No
Can be copied *	No
Synchronize to BIMeye	No
Synchronize from BIMeye	No
Read-only	No
Parameter type	Instance

Instance
Type
Room
Project Information
Object Information
From Room
To Room

Data type

Create in model

Custom Tooltip

Submit   Submit & add new   Cancel

Data type

Text (255 characters) - parameter with a value list

Text - Multiline text field

Integer

Number

Length

Yes/No- Creates a parameter with yes /no values in BIMeye and checkbox in Revit

Image- Use this to create a parameter on the Image tab

Attachments- Use this to create a parameter for uploading documents on the Attachment tab.

Add Parameter   x

Unique parameter	▼
Various Revit Values *	No
System parameter *	No
Can be copied *	No
Synchronize to BIMeye	No
Synchronize from BIMeye	No
Read-only	No
Parameter type	Instance
Data type	Text (255 characters)

Text (255 characters)
Text
Integer
Number
Length
Yes/No
Image
Attachments

Create in model

Custom Tooltip

Submit   Submit & add new   Cancel

Create in model

Used this to create parameters in your design model. In your design tool to use the Full dialog support sync or select Configure parameters option in the Desktop Client Read more here.

Add Parameter   x

Unique parameter	▾
Various Revit Values ∗	No ▾
System parameter ∗	No ▾
Can be copied ∗	No ▾
Synchronize to BIMeye	No ▾
Synchronize from BIMeye	No ▾
Read-only	No ▾
Parameter type	Instance ▾
Data type	Text (255 characters) ▾
Create in model	No ▴
	🔍
	No
	Yes
Custom Tooltip	

Submit   **Submit & add new**   **Cancel**

Custom Tooltip

Create your own tooltip with useful tips for the users that appears when you hover over the parameternames in the different views in BIMeye

Add Parameter   x

Unique parameter	▾
Various Revit Values ∗	No ▾
System parameter ∗	No ▾
Can be copied ∗	No ▾
Synchronize to BIMeye	No ▾
Synchronize from BIMeye	No ▾
Read-only	No ▾
Parameter type	Instance ▾
Data type	Text (255 characters) ▾
Create in model	No ▾
Custom Tooltip	Add a tootip!

Submit   **Submit & add new**   **Cancel**

Categories

On the Categories tab you can select if the parameter should be activated/visible on all categories that is synchronized to the database or select one or more.

> *Don't forget to check the systemparameters, CQ_InstanceGUID and the parameter that your project use for defining thel levels must be checked for all categories you are synchronizing.*

Parameter: Hook At Start   X

Information   **Categories**   Groups   Value

Floors	☐
Levels	☐
Rebar Shape	☐
Rooms	☐
Structural Rebar	☑
Walls	☐
Select all	☐

Submit   Cancel

Parameter groups

On the Groups tab you can select which parameter group a parameter should be a part of.

> *Parameter groups can be also administrated from Admin panel /parameter groups.*

Parameter: 502 DESCRIPTIONS   x

Information   Categories   **Groups**   Value

00 Godkjent	○
01 GENERAL	○
02 LOCATION	○
03 FUNCTIONAL REQUIREMENTS	○
04 LOCK DEFINITIONS	○
05 COMMENTS	●
09 Inventar	○
10 OTHER	○
18 Akustikk	○
20 Egenkontroll	○
Øvrige systemparametere	○

Submit   Cancel

Value

On the Value tab you can add or import from excel, values that are predefined in the parameters value list.

Parameter: 070 CLASS	x

Information   Categories   Groups   **Value**

Välj fil	Ingen fil har valts		✗ Import from Excel ✗ Export to Excel

Value	
1	✖
2	✖
3	✖

	Add new

Submit   Cancel

Import from excel (Symetri BIMeye staff, super users only)

If you are a superuser you can also import the parameter configuration from excel, the BIMeye support team are superusers and can help you with that.