

# SPINE DESKTOP & VIEWER



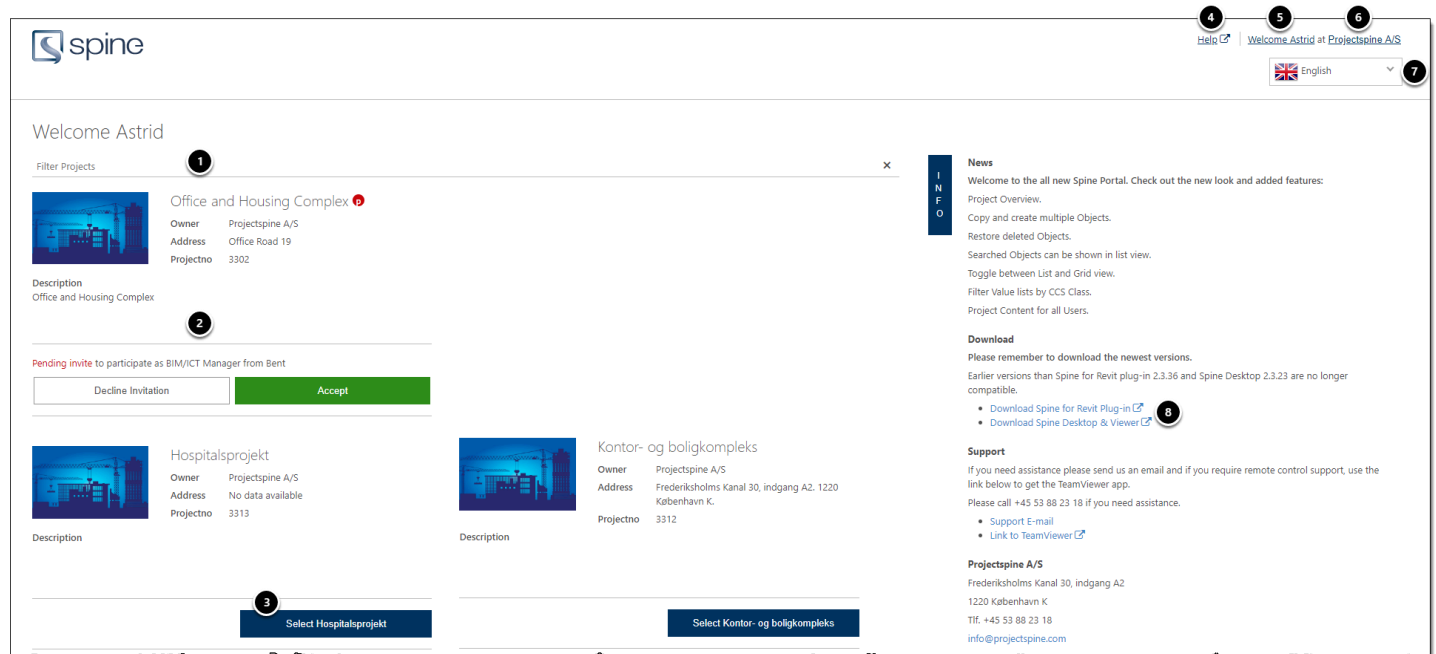
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# Spine Portal

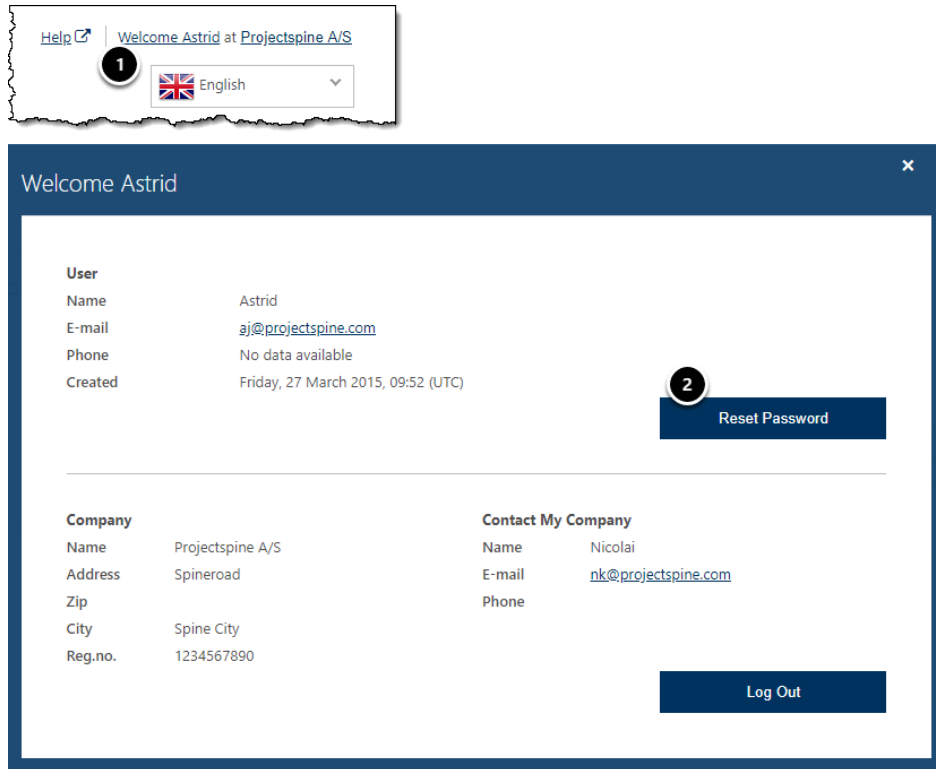
## spine Portal

Go to spine Portal: <https://portal.projectspine.com/>



1. Filter [spine projects](#)
2. Project invitation
3. Open [Project overview](#)
4. Go to [Help & E-learning](#)
5. Go to [User profile](#)
6. Go to [Company](#)
7. Content language
8. Download [spine plugin for Revit](#) and [spine Desktop & Viewer](#)

## User profile

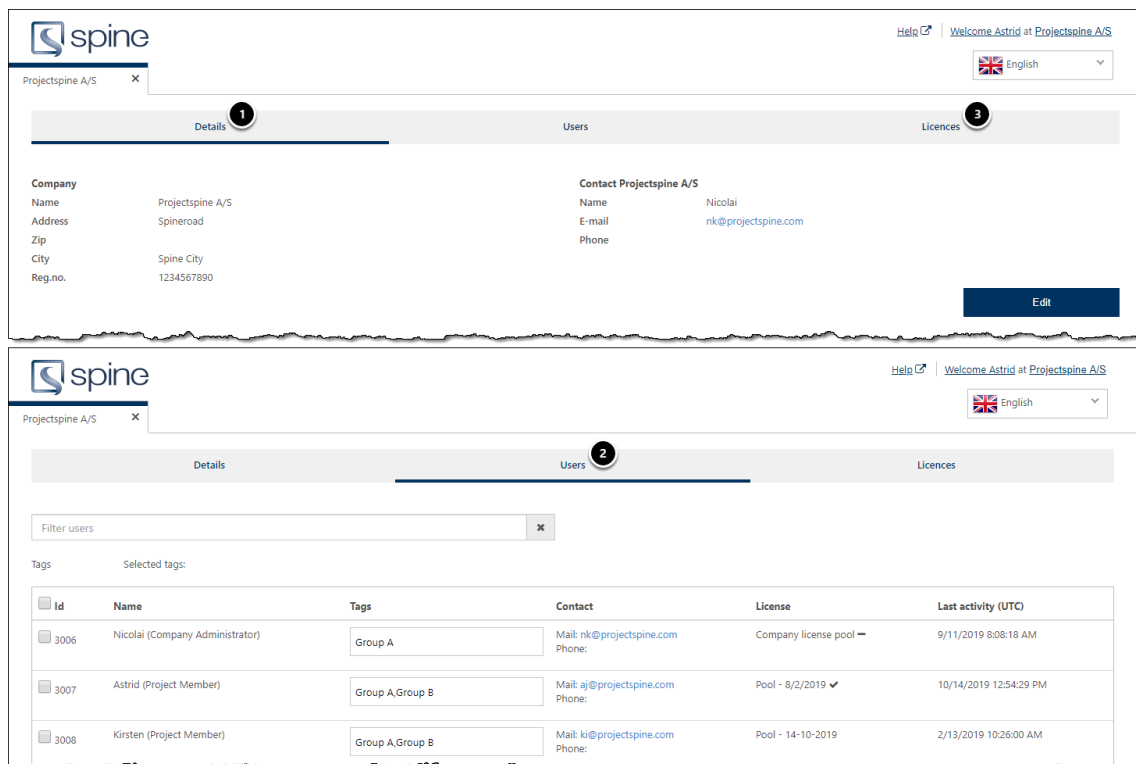


1. Open User Profile from the [portal](#)
2. Reset password

# Company profile



1. Open Company from the [portal](#)



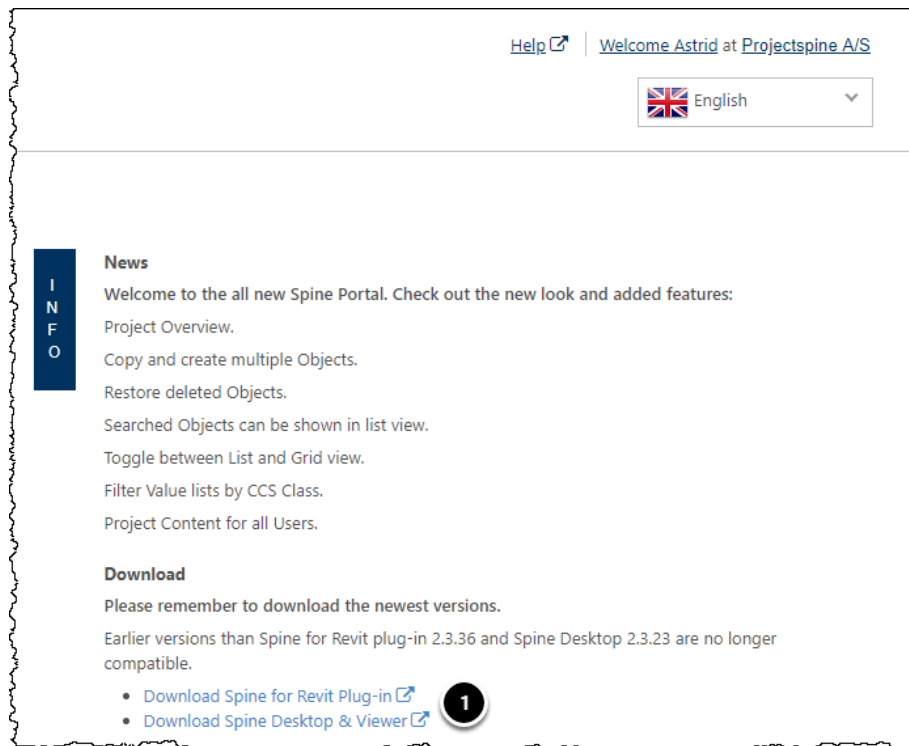
1. Manage [Company details](#) 2. Manage [Company users](#) 3. Manage [Company licenses](#)

# Download and install spine plugin for Revit and spine Desktop & Viewer

Download and install the [spine plugin for Revit](#) and [spine Desktop & Viewer](#).

**NOTE:** You have to be logged into the spine Desktop & Viewer, for the Revit plugin to work.

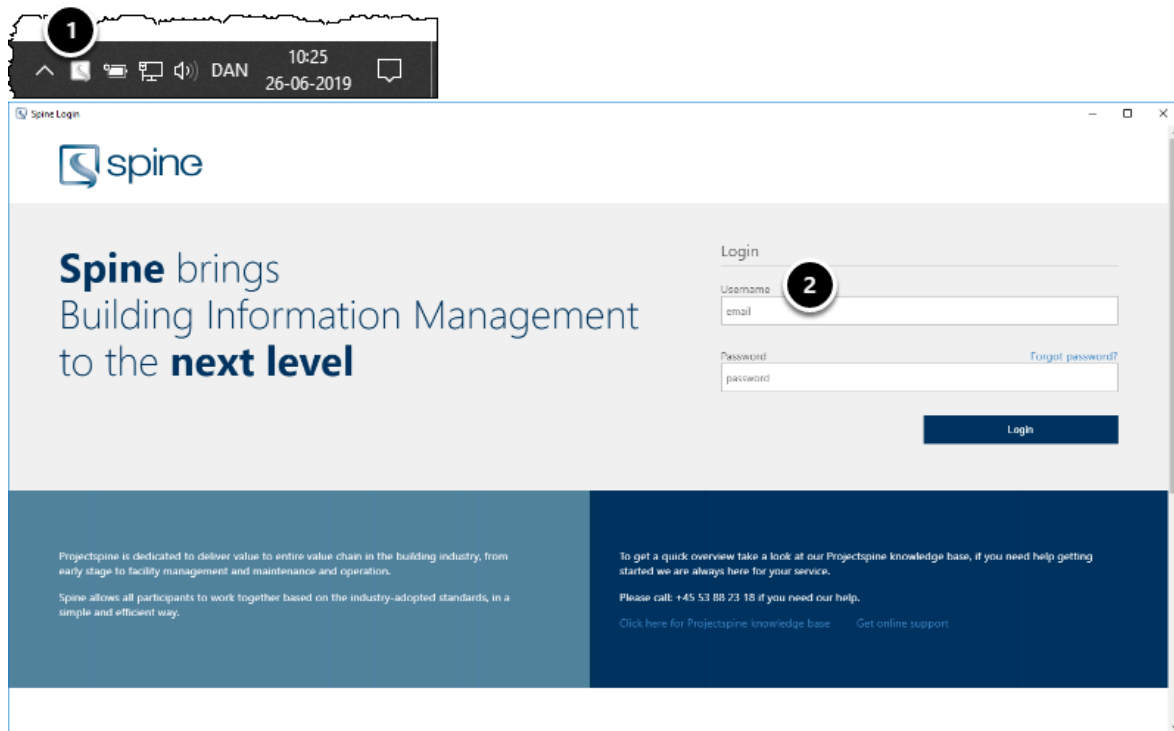
## 1. Log into the spine Portal



Go to <http://portal.projectspine.com/> and login

1. Download newest version of [spine plugin for Revit](#) and [spine Desktop & Viewer](#)

## 2. Use spine Desktop & Viewer and spine plugin for Revit



After installing the [spine Desktop & Viewer](#) will automatically start and run in the background.

1. Open the [spine Desktop & Viewer](#) from the system tray
2. Log into the [spine Desktop & Viewer](#)

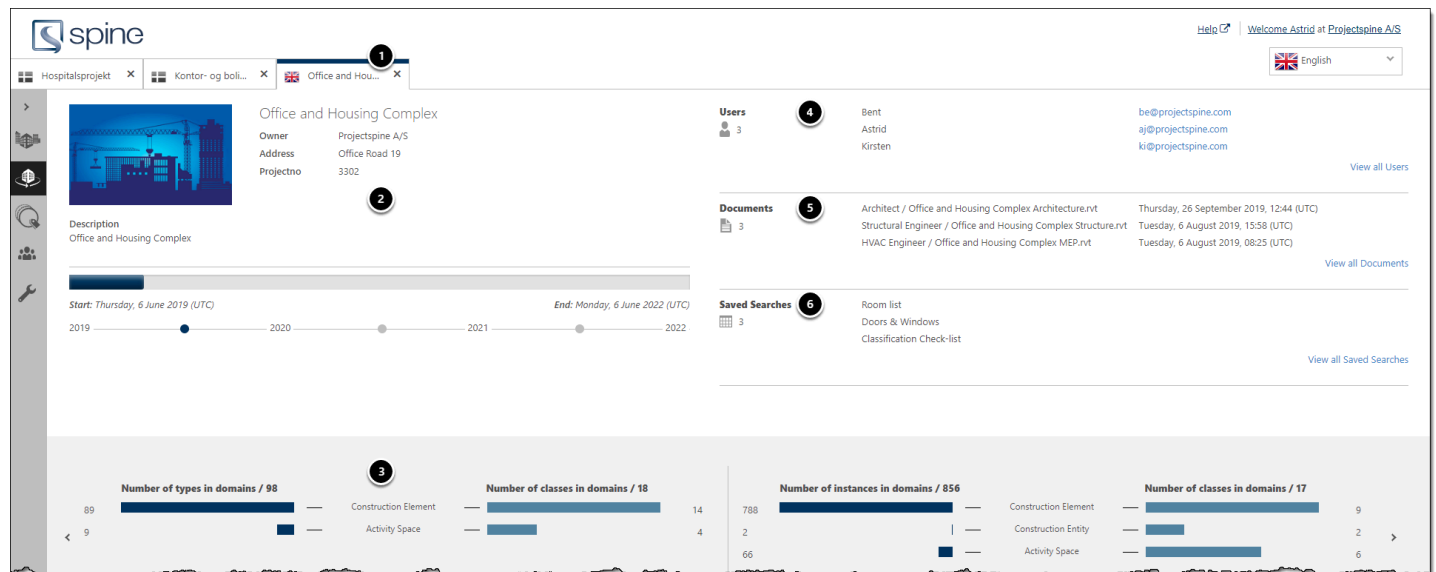
If you experience trouble starting [spine Desktop & Viewer](#) or [spine plugin for Revit](#), check your firewall and VPN connections. Otherwise contact our [support](#).



# Spine Project

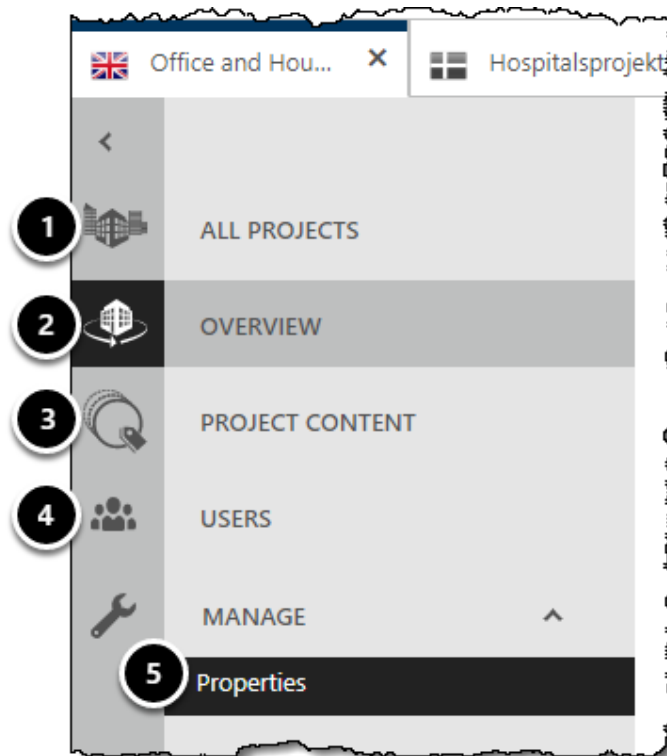
# Project overview and menu

## 1. Project overview



1. Current [spine project](#)
2. Project information
3. [Types](#) and [instances](#) in the project
4. [Project users](#)
5. [Documents](#)
6. [Saved Searches](#)

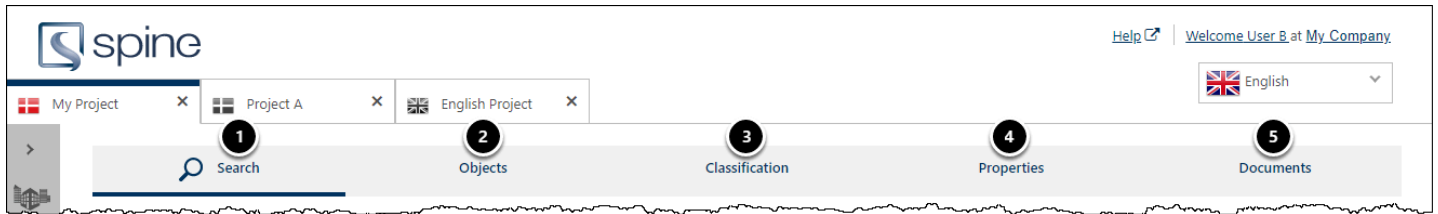
## 2. Project menu



1. [All projects](#)
3. [Project content](#)
5. Manage [Properties](#)

2. [Project overview](#)
4. [Project users](#)

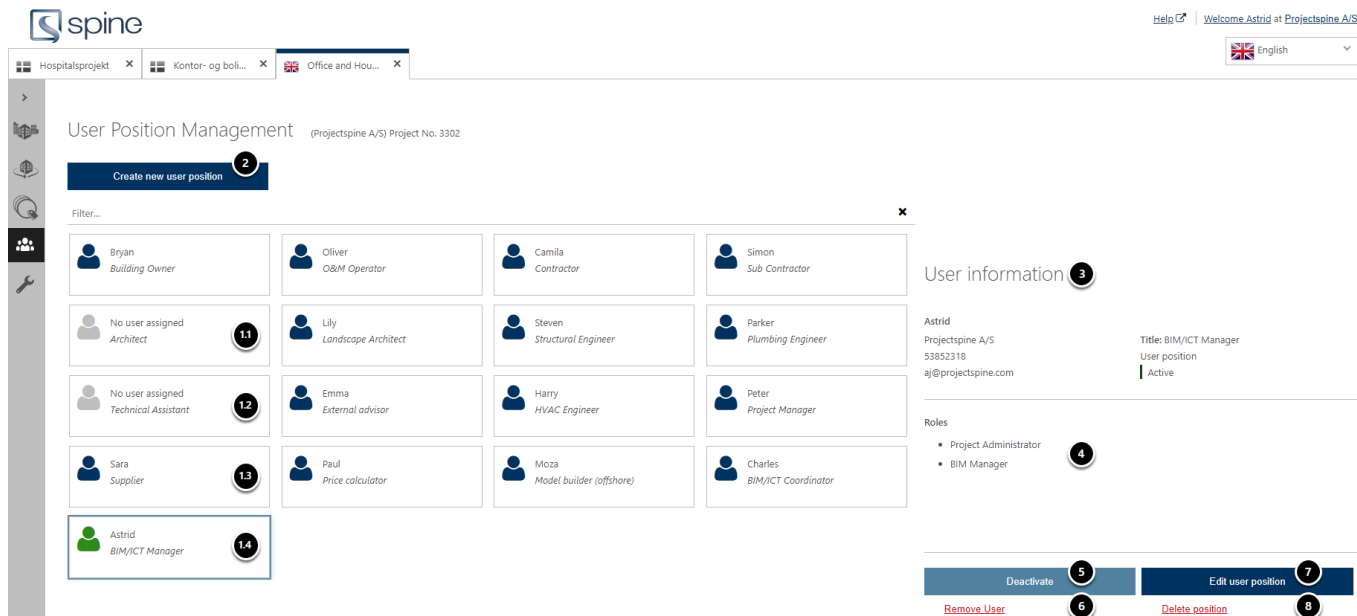
## Project content overview



1. [Search](#) for project [content](#)
2. [Objects](#)
3. [Classification](#)
4. [Properties](#)
5. [Documents](#)

## Project users

Open Project Users from [project menu](#).



- |                                   |                                      |                       |
|-----------------------------------|--------------------------------------|-----------------------|
| 1. <a href="#">User positions</a> | 2. Create new user position          | 7. Edit user position |
| 1.1 No user invited               | 3. Information for current user      | 8. Delete position    |
| 1.2 User invite not accepted      | 4. <a href="#">Roles</a>             |                       |
| 1.3 Active user                   | 5. Deactivate/Activate user position |                       |
| 1.4 Current selected user         | 6. Remove user from position         |                       |

### 1. User position status

|                                                                                                                                     |                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>User information</p> <p>Title: Architect<br/>User position<br/>Empty</p> <p>1</p>                                                | <p>User information</p> <p>Astrid<br/>Projectspine A/S<br/>53852318<br/>aj@projectspine.com</p> <p>Title: BIM/ICT Manager<br/>User position<br/>Active</p> <p>3</p> |
| <p>User information</p> <p>ti@projectspine.com</p> <p>Title: Technical Assistant<br/>User position<br/>Invitation sent</p> <p>2</p> | <p>User information</p> <p>Charles<br/>Projectspine A/S<br/>ch@projectspine.com</p> <p>Title: BIM/ICT Coordinator<br/>Deactivated</p> <p>4</p>                      |

1. No user invited   2. User invite not accepted   3. Active user   4. Deactivated user

## 2. Create user position

Create user position

Title

Project member

Roles

Please select the role(s) for the new user position by clicking the rows below

Project Administrator

This Role enables the User the highest level of Rights in the Project.

Project Manager

This Role enables the User to Edit Project information, Properties, Parameters, Property Value Lists, Objects and Property Values and Manage User Positions in the Project.

Type and Subtype Manager

This Role enables the User Rights to view project data and to create, edit and delete Types, SubType and Instance objects and their Property Values.

Subtype Manager

This Role enables the User Rights to view project data and to create, edit and delete SubType and Instance objects and their Property Values.

BIM Manager

This Role enables the User additional Rights to Manage Documents/Models in the Project and enables the Spine Management tools in Autodesk Revit.

Project Member

This Role enables the User basic Rights to view project data and the Rights to create, edit and delete Instance objects and their Property Values.

Type email or search name

pm@projectspine.com

Cancel

Save

1. Type in title
2. Select roles
3. Type in user e-mail
4. Save

## 3. Edit user position

Edit userposition

Title

BIM/ICT Manager

Roles

Edit role(s) for the existing userposition by clicking the rows below

Project Administrator

This Role enables the User the highest level of Rights in the Project.

Project Manager

This Role enables the User to Edit Project information, Properties, Parameters, Property Value Lists, Objects and Property Values and Manage User Positions in the Project.

Type and Subtype Manager

This Role enables the User Rights to view project data and to create, edit and delete Types, SubType and Instance objects and their Property Values.

Subtype Manager

This Role enables the User Rights to view project data and to create, edit and delete SubType and Instance objects and their Property Values.

BIM Manager

This Role enables the User additional Rights to Manage Documents/Models in the Project and enables the Spine Management tools in Autodesk Revit.

Project Member

This Role enables the User basic Rights to view project data and the Rights to create, edit and delete Instance objects and their Property Values.

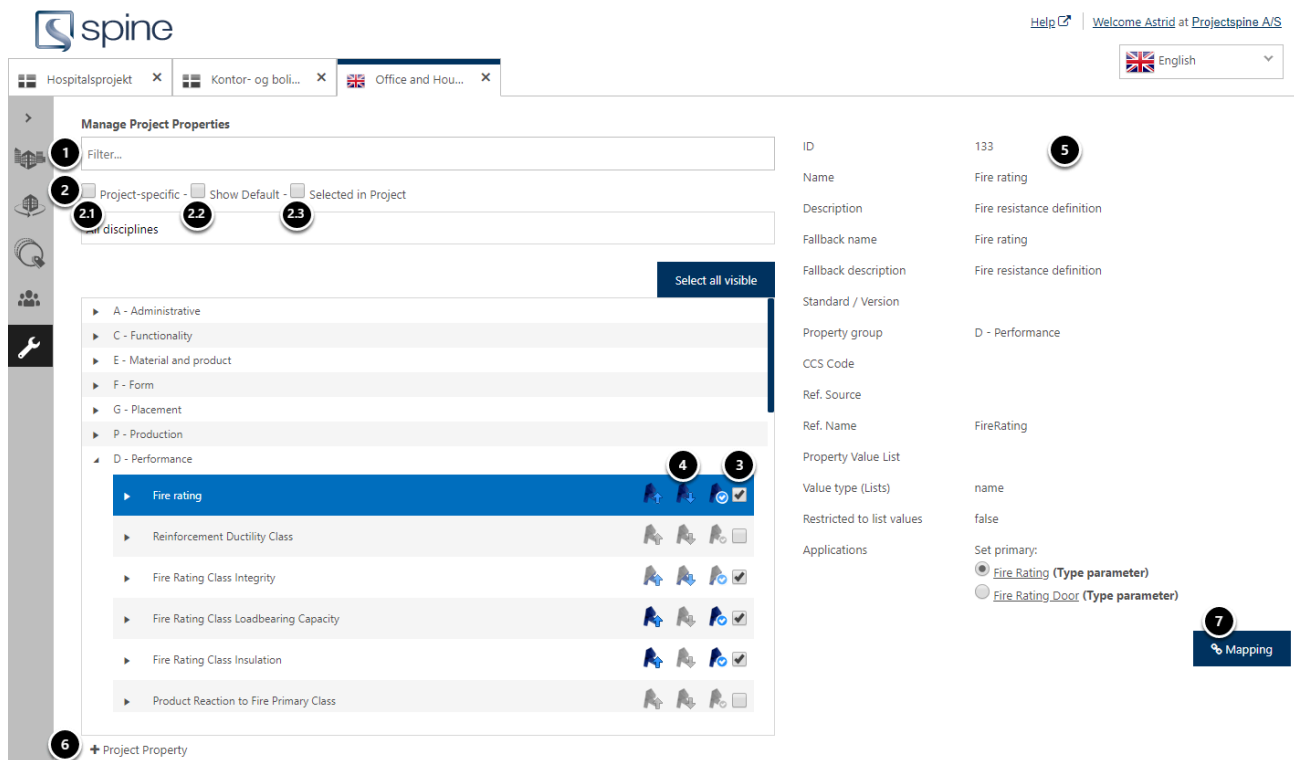
Cancel

Save

1. Change title
2. Add/remove roles
3. Save

# Project properties

Open Manage Properties from [project menu](#).



1. Filter [properties](#)
2. Display:
  - 2.1 Project specific properties
  - 2.2 Default properties
  - 2.3 Selected in project
3. Add / remove property to project
4. [Synchronization](#) settings
5. Property information
6. Add project specific properties
7. Map properties and [parameters](#)

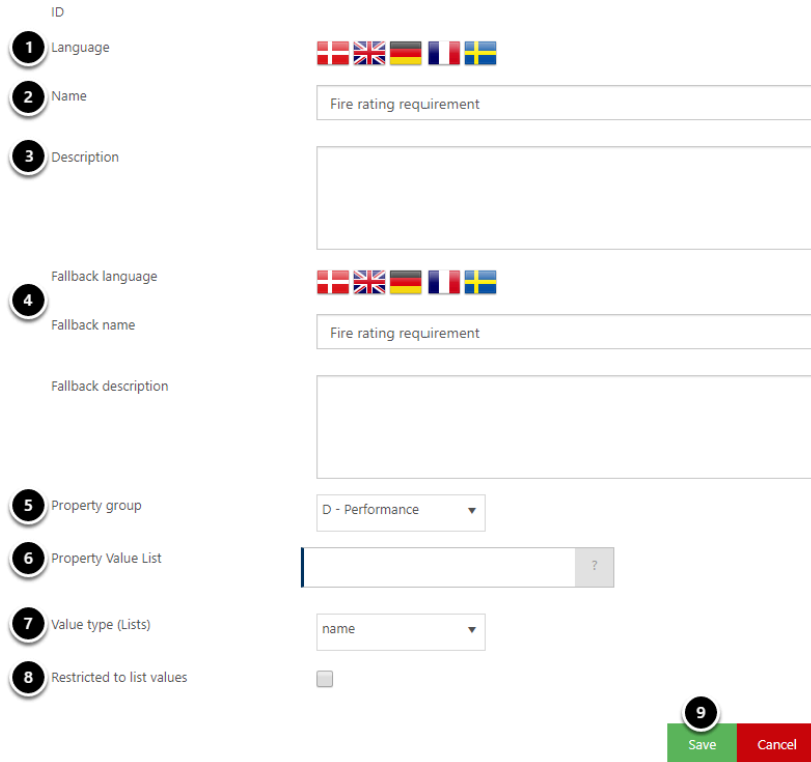
## Synchronization settings





1. [Property value](#) is set to be uploaded from [Revit](#) to the [spine project](#)
2. Property value is set to be downloaded from the spine project to Revit
3. Property is set to be [required in Revit](#)
4. Property is selected in the spine project
5. Open disciplines
6. Settings vary on disciplines

## 1. Create project specific property



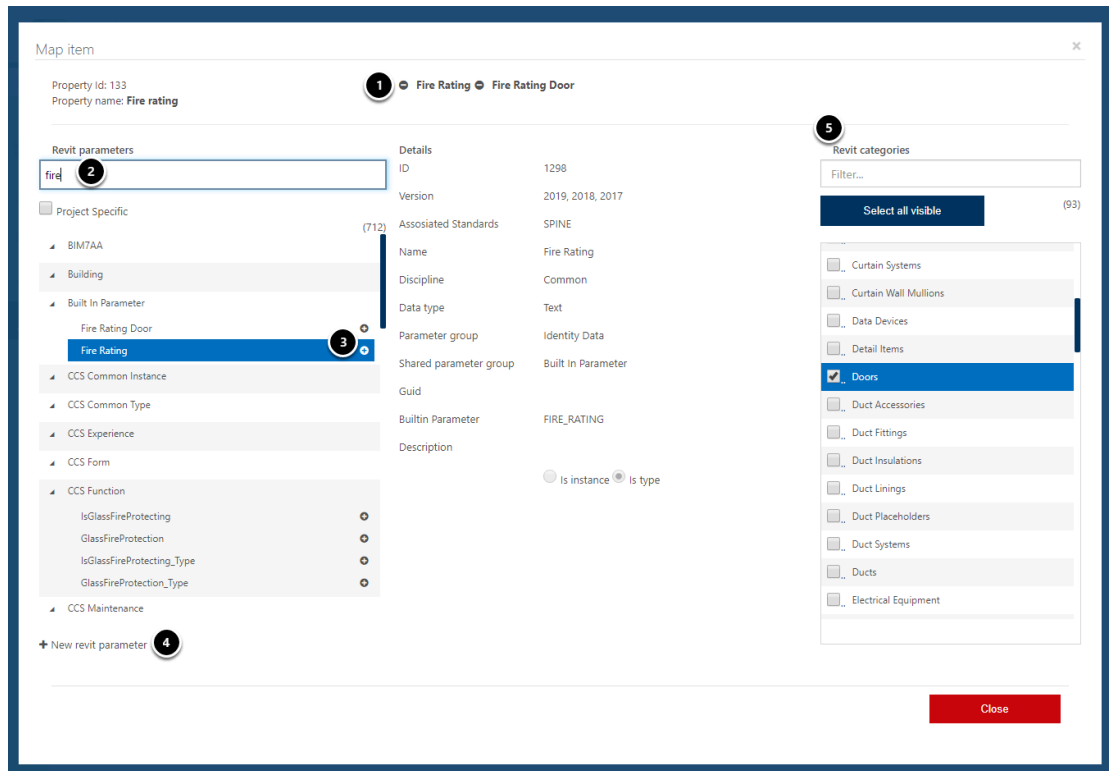
The screenshot shows the 'Create project specific property' dialog in the Spine software. It features a numbered list of steps on the left side of the form:

1. Language: Includes a row of flags (Danish, British, German, French, Swedish) and a text input field for 'Name' containing 'Fire rating requirement'.
2. Name: The same text input field as above.
3. Description: A large text area for the property description.
4. Fallback language: Includes another row of flags and a text input field for 'Fallback name' containing 'Fire rating requirement'.
5. Fallback description: A large text area for the fallback property description.
6. Property group: A dropdown menu showing 'D - Performance'.
7. Property Value List: A search bar with a question mark icon.
8. Value type (Lists): A dropdown menu showing 'name'.
9. Restricted to list values: An unchecked checkbox.

At the bottom right, there are two buttons: a green 'Save' button and a red 'Cancel' button, both with a small '9' in a circle above them.

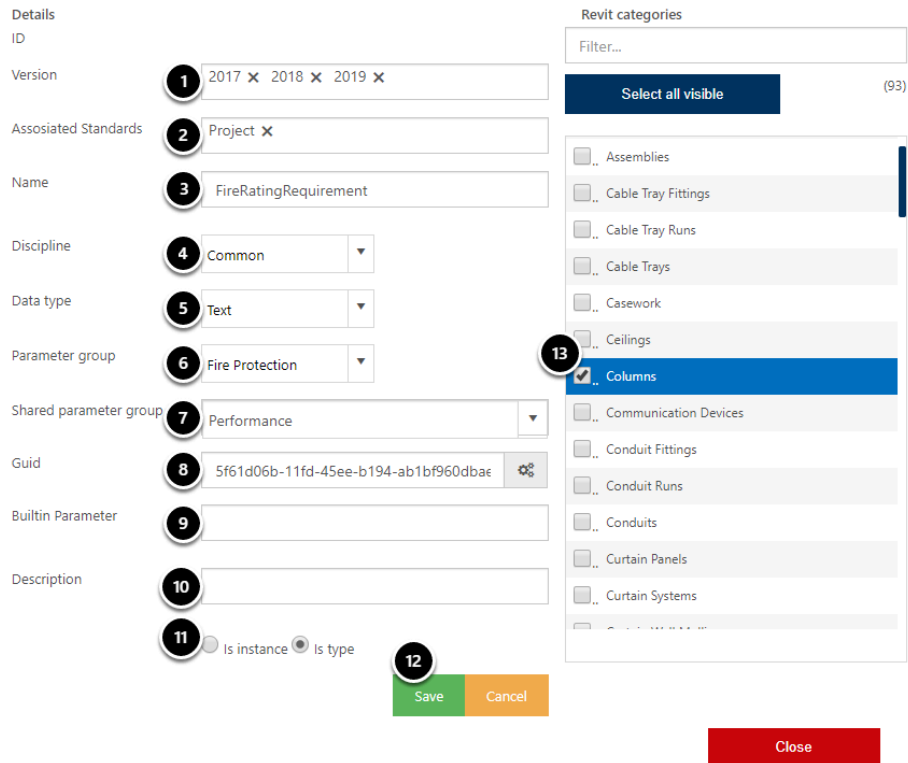
1. Press flags to add name and description in multiple languages
2. Type in a property name
3. Type in a property description
4. Fallback name and description appear if name and description do not exist in the user language  
Press a flag to copy name and description to fallback
5. Select a [group](#) the property belongs to
6. Select whether a [property value list](#) shall be associated
7. Select value list type
8. Select whether values can vary from the list
9. Save property

## 2. Map properties and parameters



1. Mapped [parameters](#)
2. Filter parameters
3. Add parameter to property
4. Create new Revit parameter
5. Revit [categories](#) the parameter respond with

## 3. Create Revit parameter



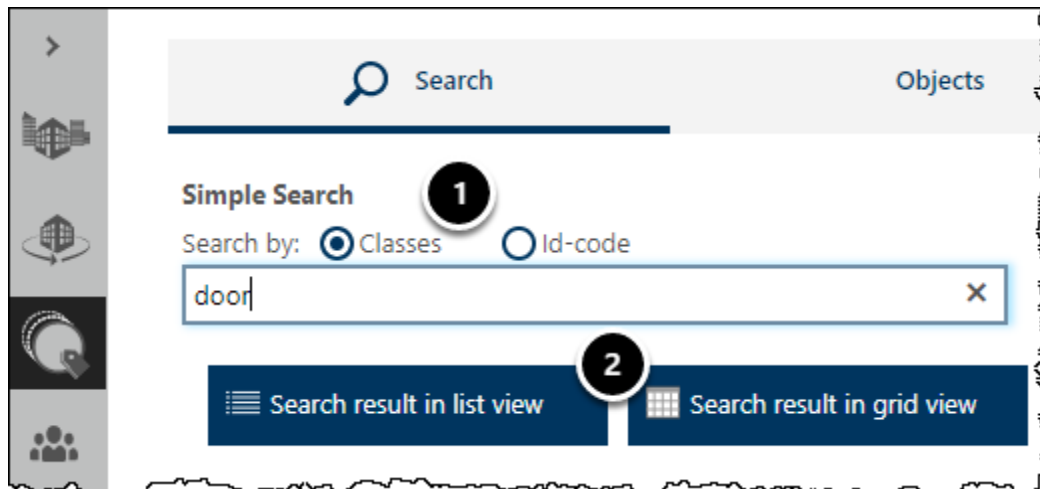
The screenshot shows the 'Create Revit parameter' dialog box. It is divided into two main sections: 'Details' on the left and 'Revit categories' on the right. The 'Details' section contains fields for ID, Version (with a list of 2017, 2018, 2019), Associated Standards (Project), Name (FireRatingRequirement), Discipline (Common), Data type (Text), Parameter group (Fire Protection), Shared parameter group (Performance), Guid (5f61d06b-11fd-45ee-b194-ab1bf960dbae), Builtin Parameter, and Description. At the bottom of the details section are radio buttons for 'Is instance' and 'Is type', and 'Save' and 'Cancel' buttons. The 'Revit categories' section has a search filter, a 'Select all visible' button, and a list of categories. The 'Columns' category is selected, indicated by a checkmark and a blue highlight. A 'Close' button is located at the bottom right of the dialog.

1. Select Revit versions the parameter shall be used in
2. Select standards the parameter is associated with
3. Type in a name
4. Select disciplines
5. Select a data type
6. Select a parameter group
7. Select a shared parameter group
8. Generate a [GUID](#)
9. Type in a [Built-in parameter](#) instead of a GUID
10. Type in a description
11. Select whether it is an instance or type parameter
12. Save parameter
13. Select Revit [categories](#)

# Project content

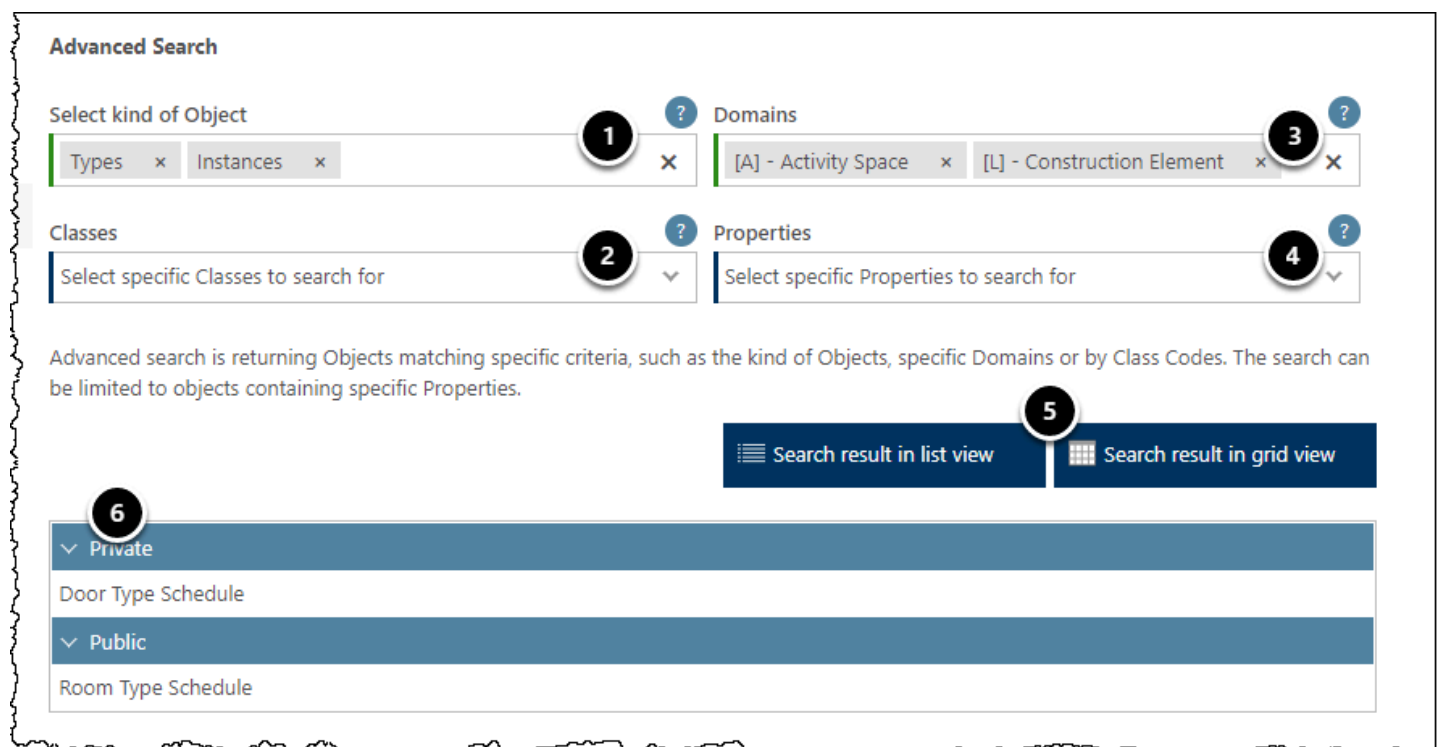
# Search for project content

## 1. Simple Search



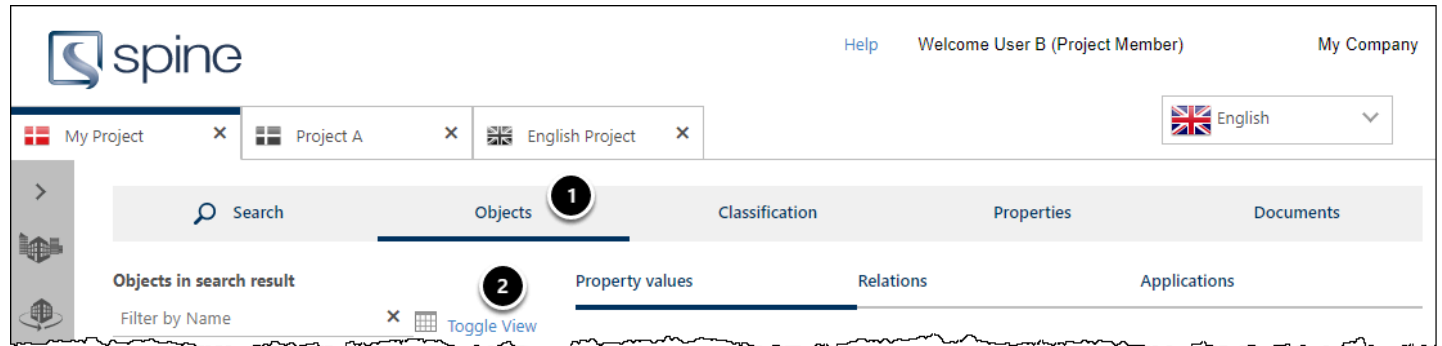
1. Search by Classes or ID-code
2. Open result in [List](#) or [Grid](#) view

## 2. Advanced Search



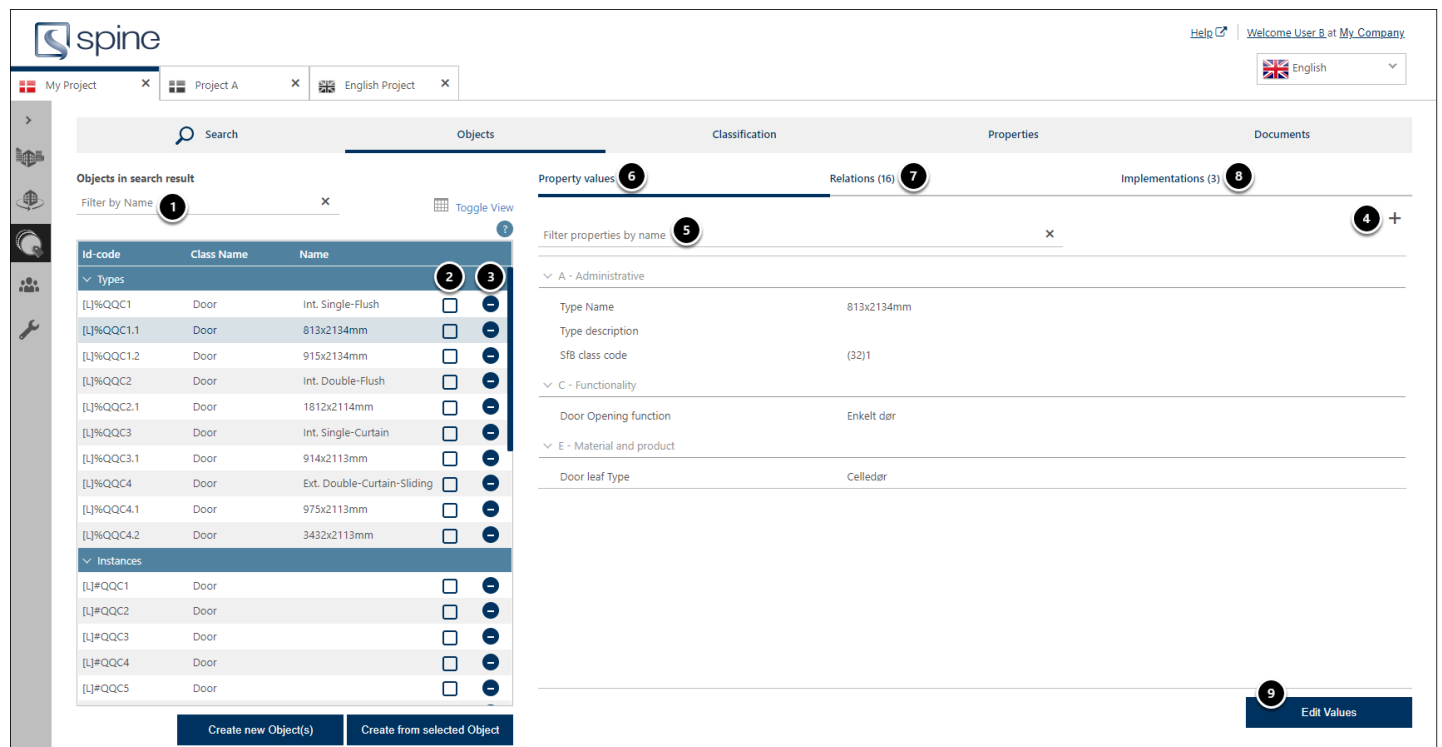
1. Search for [Type](#) and/or [Instance](#) objects
2. Search for objects within a [class](#)
3. Search for objects within a [Domain](#)
4. Search for objects with specific [properties](#)
5. Open result in [List](#) or [Grid](#) view
6. Open saved searches

# Objects



1. Objects display the search result - [create search](#)
2. Objects can be displayed in List or in Grid view. Toggle View

## 1. List view



1. Filter Search Result
2. Select objects
3. Hide objects in list
4. [Add properties](#)
5. Filter Properties
6. Property Values
7. Relations
8. Implementations
9. Edit Values

## Relations

| Property values    |  |  | Relations (16)   | Implementations (3) |
|--------------------|--|--|------------------|---------------------|
| Filter by Name     |  |  | ✕                |                     |
| Id-code            |  |  | Code description | Name                |
| ▼ Instance Of (15) |  |  |                  |                     |
| [L]#QQC3           |  |  | Door no. 3       | 813x2134mm          |
| [L]#QQC4           |  |  | Door no. 4       | 813x2134mm          |
| [L]#QQC5           |  |  | Door no. 5       | 813x2134mm          |
| [L]#QQC6           |  |  | Door no. 6       | 813x2134mm          |
| [L]#QQC7           |  |  | Door no. 7       | 813x2134mm          |
| [L]#QQC8           |  |  | Door no. 8       | 813x2134mm          |
| [L]#QQC9           |  |  | Door no. 9       | 813x2134mm          |
| [L]#QQC10          |  |  | Door no. 10      | 813x2134mm          |
| [L]#QQC11          |  |  | Door no. 11      | 813x2134mm          |
| [L]#QQC13          |  |  | Door no. 13      | 813x2134mm          |
| [L]#QQC14          |  |  | Door no. 14      | 813x2134mm          |
| [L]#QQC15          |  |  | Door no. 15      | 813x2134mm          |
| [L]#QQC16          |  |  | Door no. 16      | 813x2134mm          |
| [L]#QQC17          |  |  | Door no. 17      | 813x2134mm          |
| [L]#QQC18          |  |  | Door no. 18      | 813x2134mm          |
| ▼ Subtype of (1)   |  |  |                  |                     |
| [L]%QQC1           |  |  | Door type 1      | Int. Single-Flush   |

## Implementations

| Property values            |  |  | Relations (16) | Implementations (3)             |
|----------------------------|--|--|----------------|---------------------------------|
| Filter by Name             |  |  | ✕              |                                 |
| Application Family         |  |  | Type           | Document                        |
| ▼ Autodesk Revit (3)       |  |  |                |                                 |
| Door_Internal_Single Flush |  |  | 912 x 2212     | Kampfeldt 2018 Architecture.rvt |
| Door_Internal_Single Flush |  |  | 812 x 2212     | Kampfeldt 2018 Architecture.rvt |
| Int. Single-Flush          |  |  | 813x2134mm     | Spine Building Architect.rvt    |

2. Grid View

spine

HelpWelcome User B at My Company

My ProjectProject AEnglish Project

Search

ObjectsClassificationPropertiesDocuments

Toggle View

Export to Excel

Add property

Delete

Load Configuration

Save Search

Save Configuration

Drag a column header and drop it here to group by that column

| A - Administrative |                     |                     |                |             |                     |                  | C - Functionality   | E - Material and product |            |
|--------------------|---------------------|---------------------|----------------|-------------|---------------------|------------------|---------------------|--------------------------|------------|
| Code               | Name                | CCS Single Level-ID | SFB class code | CCS Type-ID | Type Name           | Type description | Door Opening fun... | Door leaf Type           | Occurences |
| [L]#QQC29          |                     | [L]#QQC29           |                | [L]#QQC2.1  |                     |                  |                     |                          |            |
| [L]#QQC30          |                     | [L]#QQC30           |                | [L]#QQC1.2  |                     |                  |                     |                          |            |
| [L]#QQC31          |                     | [L]#QQC31           |                | [L]#QQC3.1  |                     |                  |                     |                          |            |
| [L]#QQC32          |                     | [L]#QQC32           |                | [L]#QQC3.1  |                     |                  |                     |                          |            |
| [L]#QQC33          |                     | [L]#QQC33           |                | [L]#QQC1.2  |                     |                  |                     |                          |            |
| [L]#QQC34          |                     | [L]#QQC34           |                | [L]#QQC2.1  |                     |                  |                     |                          |            |
| [L]#QQC35          |                     | [L]#QQC35           |                | [L]#QQC1.2  |                     |                  |                     |                          |            |
| [L]#QQC36          |                     | [L]#QQC36           |                | [L]#QQC1.2  |                     |                  |                     |                          |            |
| [L]#QQC37          |                     | [L]#QQC37           |                | [L]#QQC2.1  |                     |                  |                     |                          |            |
| [L]#QQC1           | Int. Single-Flush   |                     | (32)1          | [L]#QQC1    | Int. Single-Flush   |                  | Enkelt dør          | Celledør                 |            |
| [L]#QQC2           | Int. Double-Flush   |                     | (32)1          | [L]#QQC2    | Int. Double-Flush   |                  | Dobbelt dør         | Fyldningsdør             |            |
| [L]#QQC3           | Int. Single-Curtain |                     | (32)1          | [L]#QQC3    | Int. Single-Curtain |                  | Enkelt dør          | Paneldør                 |            |

123

20

items per page

21 - 40 of 47 items

1. Export to Excel

2. Add Property

3. Delete

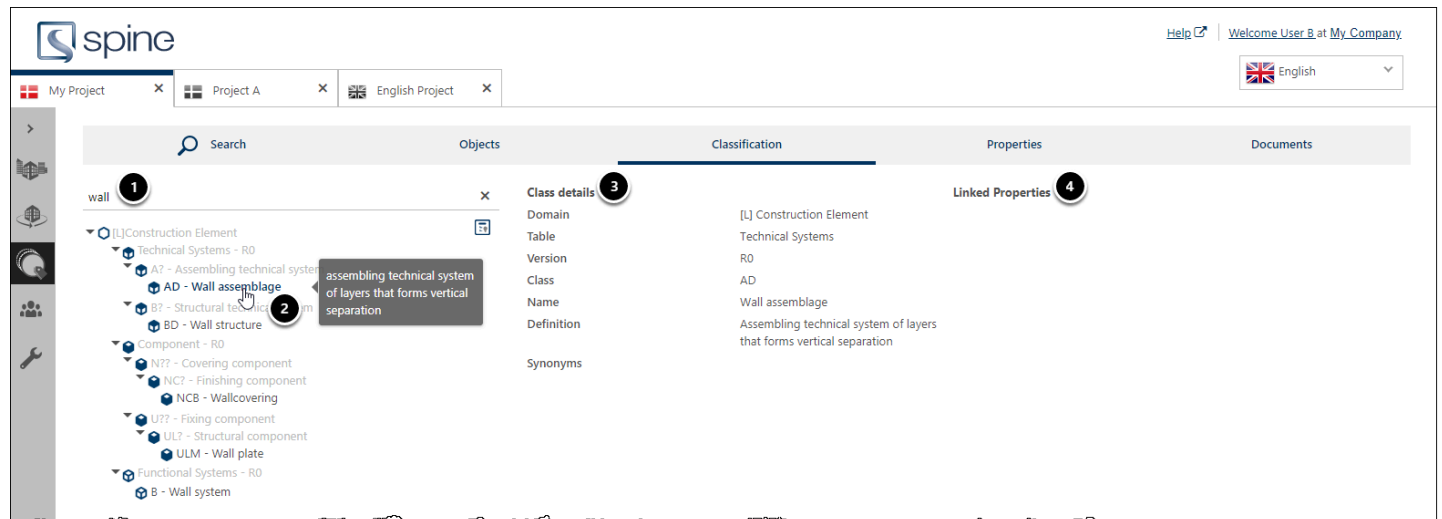
4. Load Configuration

5. Save Search

6. Save Configuration

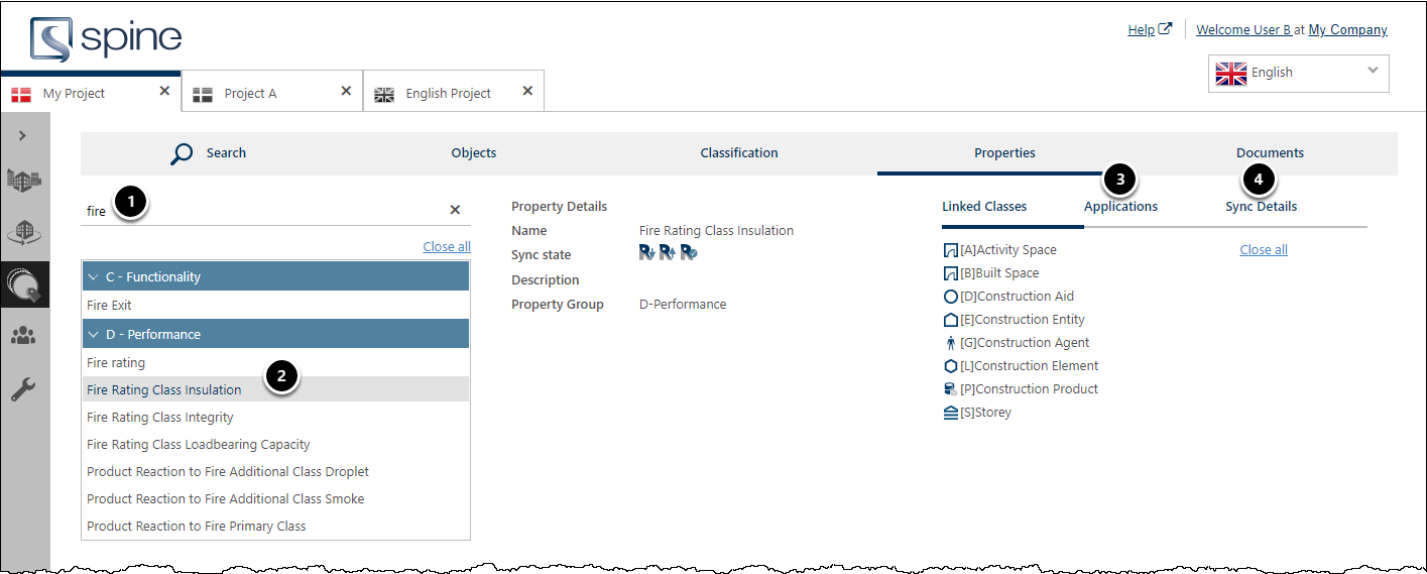


## Classification



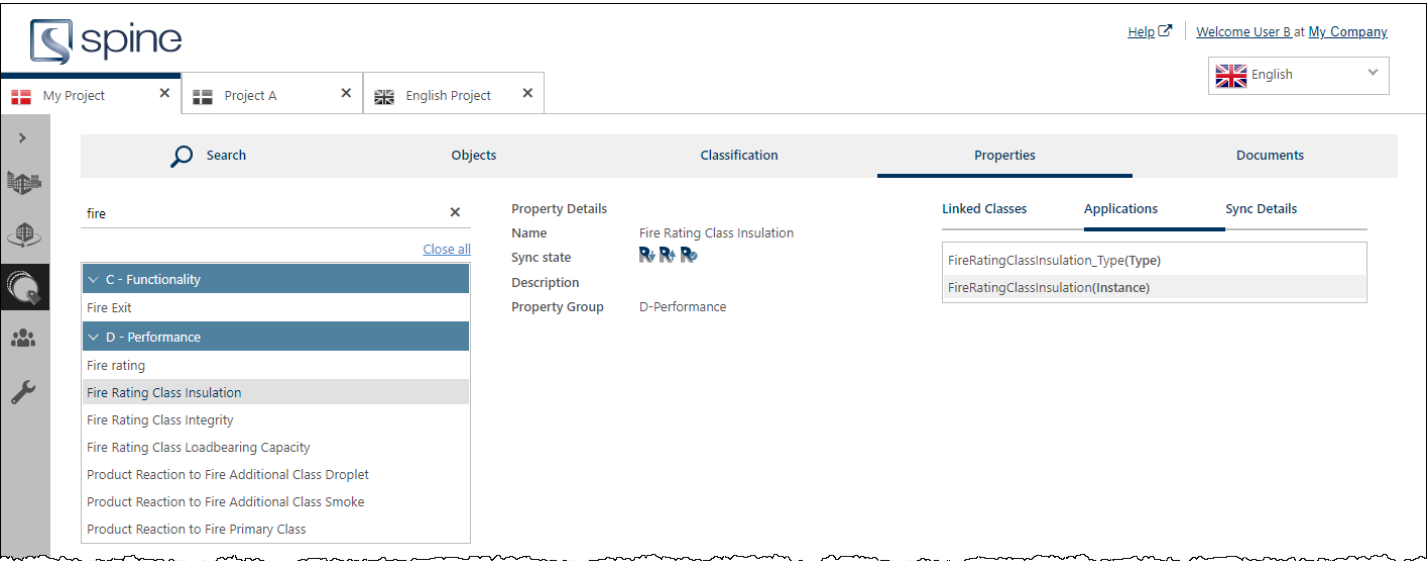
1. Search for [Class](#)
2. Select Class
3. Class details
4. Linked [Properties](#)

Properties



1. Search for [Property](#)
2. Select Property
3. [Applications](#) mapped to the property
4. [Synchronization](#) Details

1. Applications



2. Sync Details



[Help](#) | [Welcome User B at My Company](#)

My Project x Project A x English Project x

English

Search

Objects

Classification

Properties

Documents

fire x

Close all

C - Functionality

Fire Exit

D - Performance

Fire rating

Fire Rating Class Insulation

Fire Rating Class Integrity

Fire Rating Class Loadbearing Capacity

Product Reaction to Fire Additional Class Droplet

Product Reaction to Fire Additional Class Smoke

Product Reaction to Fire Primary Class

Property Details

Name

Sync state

Description

Property Group

Fire Rating Class Insulation

D-Performance

Linked Classes

Applications

Sync Details

Discipline

Architect

Architect - Interior Designer

Building owner

Civil Engineer

Contractor

Coordination

Electrical Engineer

HVAC Engineer

Landscape Architect

Plumbing Engineer

Structural Engineer

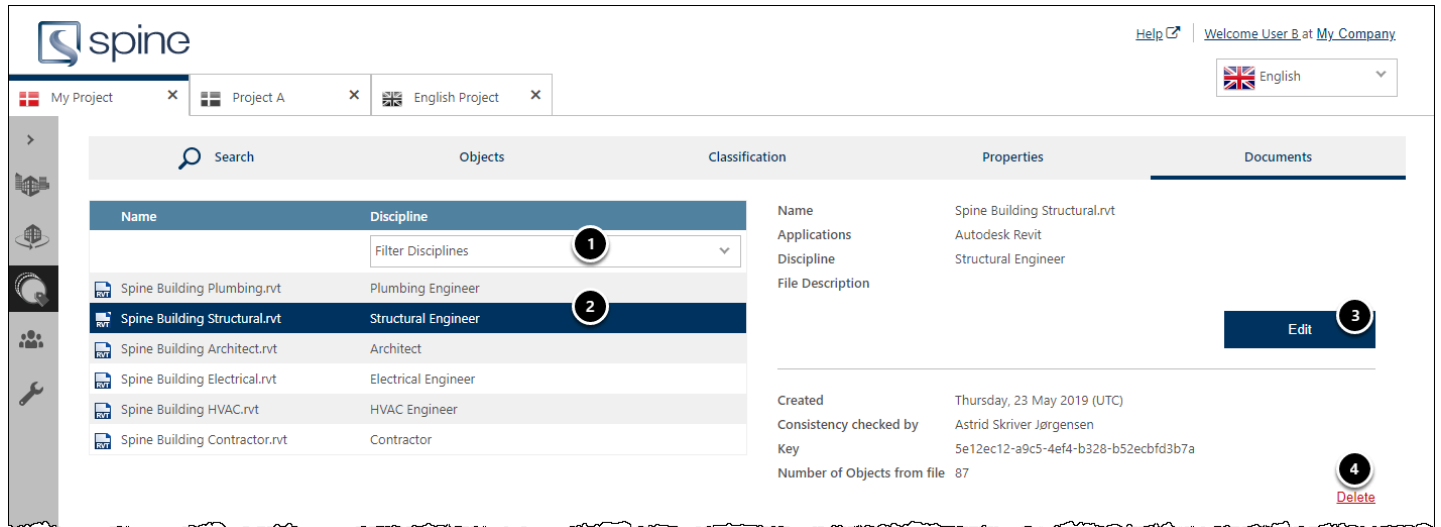
Supplier

## Documents



The screenshot shows the Spine Desktop & Viewer interface. At the top, there's a header with the Spine logo, a 'Help' link, and a user welcome message. Below the header, there are project tabs: 'My Project', 'Project A', and 'English Project'. A language dropdown is set to 'English'. The main interface has a sidebar with navigation icons and a central pane with tabs for 'Search', 'Objects', 'Classification', 'Properties', and 'Documents'. The 'Documents' tab is active, displaying a table of documents. The table has columns for 'Name' and 'Discipline'. A dropdown menu 'Filter Disciplines' is shown above the table. The second row of the table, 'Spine Building Structural.rvt' with discipline 'Structural Engineer', is selected. To the right of the table, a details panel shows information for the selected document, including 'Name', 'Applications', 'Discipline', 'File Description', 'Created', 'Consistency checked by', 'Key', and 'Number of Objects from file'. An 'Edit' button is located next to the details, and a 'Delete' button is at the bottom right of the details panel. Numbered callouts 1 through 4 point to the 'Filter Disciplines' dropdown, the selected document row, the 'Edit' button, and the 'Delete' button respectively.

| Name                          | Discipline          |
|-------------------------------|---------------------|
| Spine Building Plumbing.rvt   | Plumbing Engineer   |
| Spine Building Structural.rvt | Structural Engineer |
| Spine Building Architect.rvt  | Architect           |
| Spine Building Electrical.rvt | Electrical Engineer |
| Spine Building HVAC.rvt       | HVAC Engineer       |
| Spine Building Contractor.rvt | Contractor          |

Details for Spine Building Structural.rvt:

- Name: Spine Building Structural.rvt
- Applications: Autodesk Revit
- Discipline: Structural Engineer
- File Description:
- Created: Thursday, 23 May 2019 (UTC)
- Consistency checked by: Astrid Skriver Jørgensen
- Key: 5e12ec12-a9c5-4ef4-b328-b52ecbfd3b7a
- Number of Objects from file: 87

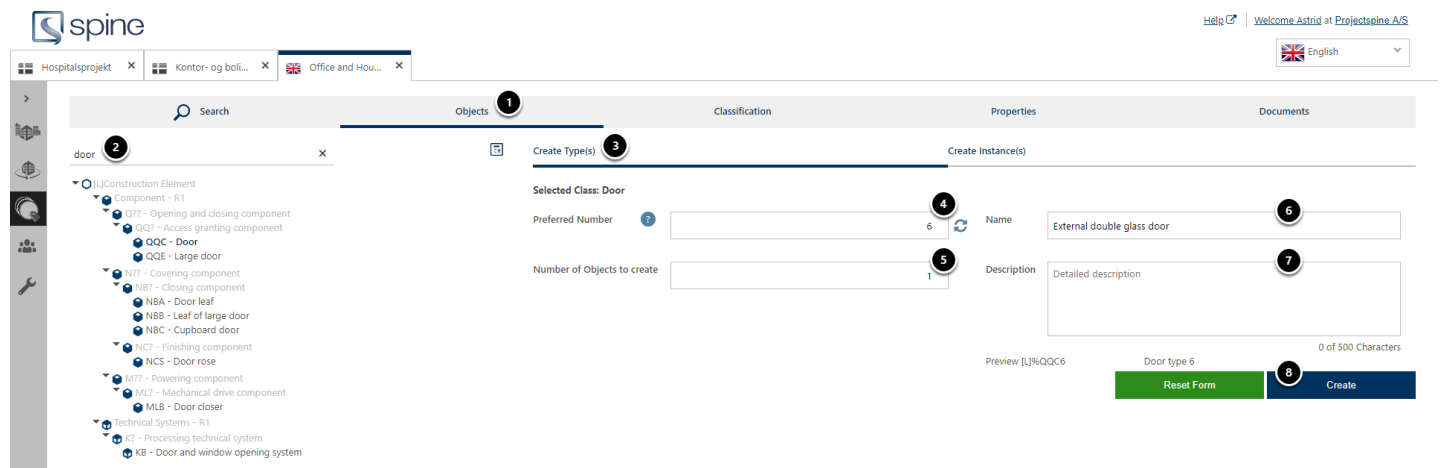
1. Filter  
[Documents](#)

2. See Document  
Details

3. Edit Document  
Details

4. Delete  
Document

# Create project types and instances



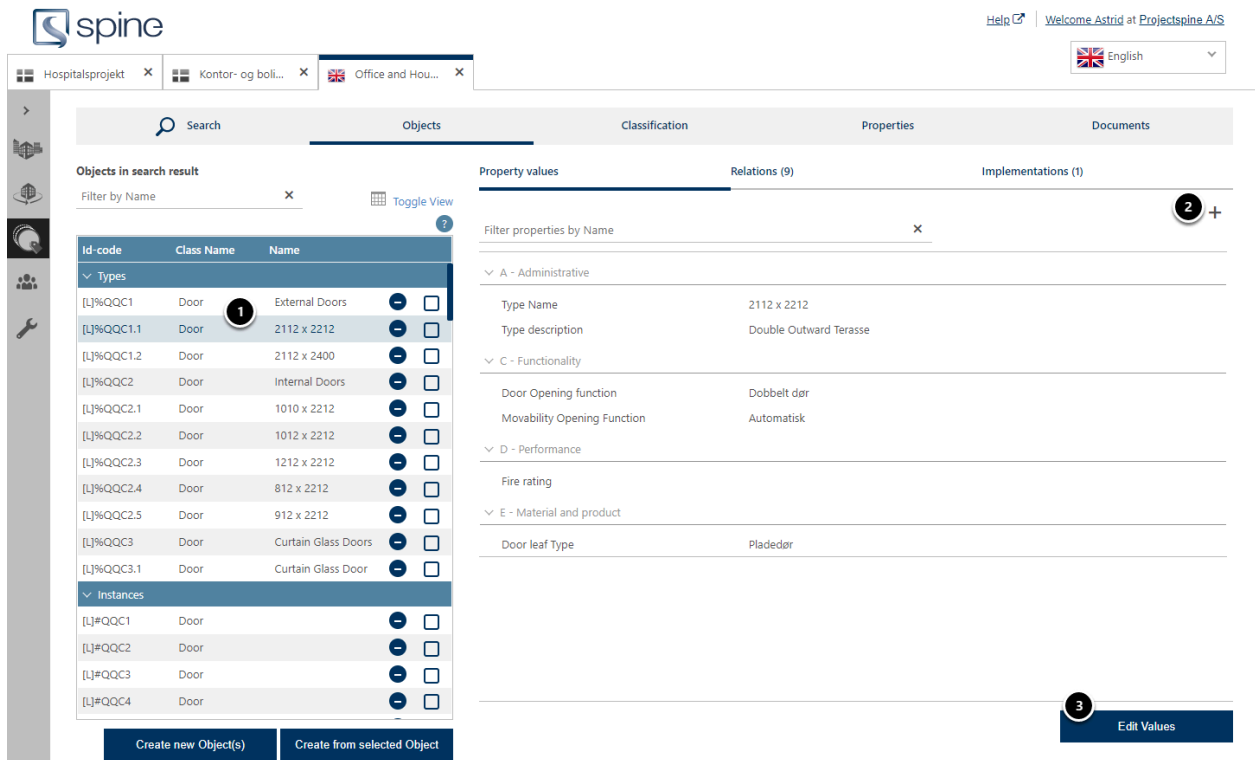
1. Go to Objects
2. Search for and select a [class](#)  
If a [search result](#) is displayed in objects, click create object
3. Select whether to create a [type](#) or an [instance](#)
4. As default the next available number is displayed  
Type in another number if desired
5. Select how many objects to be created
6. Type in a name
7. Type in a description
8. Create object(s)

# Edit project types and instances

[Types](#) and [instances](#) can be edited in list and grid view, edit multiple objects at a time in grid view.

[Create a search](#) and open result in [list](#) or [grid](#) view.

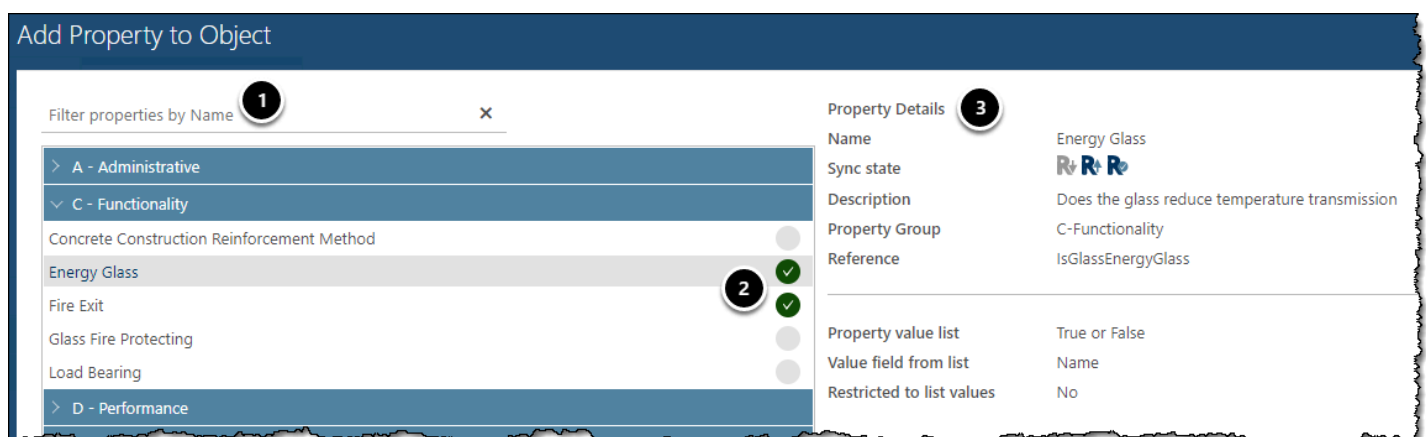
## 1. Edit in list view



The screenshot shows the Spine Desktop & Viewer interface. The 'Objects' tab is active, displaying a list of objects under the 'Types' section. The list has columns for 'Id-code', 'Class Name', and 'Name'. A search bar is at the top left. On the right, the 'Properties' tab is active, showing a detailed view of the selected object's properties, including 'Type Name', 'Type description', 'Door Opening function', 'Movability Opening Function', 'Fire rating', and 'Door leaf Type'. A 'Toggle View' button is visible between the object list and the properties view.

1. Select an object
2. Add [properties](#) to object
3. Edit [property values](#)

## Add properties



The screenshot shows the 'Add Property to Object' dialog box. It has a search bar at the top left. Below it, there is a list of properties categorized by 'A - Administrative', 'C - Functionality', and 'D - Performance'. The 'Energy Glass' property is selected. On the right, the 'Property Details' section shows the selected property's details, including 'Name', 'Sync state', 'Description', 'Property Group', 'Reference', 'Property value list', 'Value field from list', and 'Restricted to list values'.

1. Filter properties
2. Select properties
3. Property details

## Edit property values

|                             |                        |                                                                                                                |
|-----------------------------|------------------------|----------------------------------------------------------------------------------------------------------------|
| A - Administrative          |                        | 1                                                                                                              |
| Type Name                   | 2112 x 2212            |  -                          |
| Type description            | Double Outward Terasse |  -                          |
| C - Functionality           |                        | 2 3 4                                                                                                          |
| Door Opening function       | Dobbelt dør            |  - <input type="checkbox"/> |
| Movability Opening Function | Automatisk             |  - <input type="checkbox"/> |

1. Edit text property value
2. Edit list property value
3. Remove property value
4. Select properties to be deleted

## 2. Edit in grid view

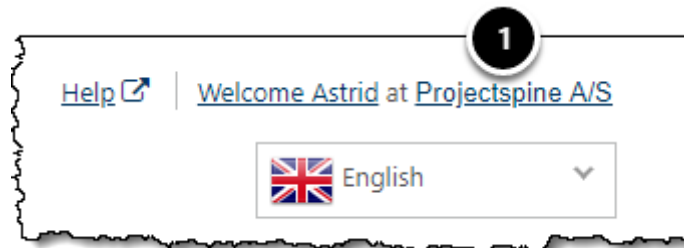
|                                                                                                                                                                                                                              |            |                     |                        |             |                       |            |           |                          |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------|------------------------|-------------|-----------------------|------------|-----------|--------------------------|-------------|
| <div>  Export to Excel         Add property         Delete         Load Configuration         Save Search         Save Configuration </div> |            |                     |                        |             |                       |            |           |                          |             |
| Drag a column header and drop  to group by that column                                                                                     |            |                     |                        |             |                       |            |           |                          |             |
|                                                                                                                                                                                                                              | Code ↓     | Name                | A - Administrative     |             | C - Functionality     |            |           | E - Material and product |             |
|                                                                                                                                                                                                                              |            |                     | Type description       |             | Door Opening function |            | Fire Exit |                          | Occurrences |
|                                                                                                                                                                                                                              |            |                     |                        |             |                       |            |           |                          |             |
| Hide                                                                                                                                                                                                                         | [L]%QQC3   | Curtain Glass Doors |                        |             |                       |            |           |                          | 0           |
| Hide                                                                                                                                                                                                                         | [L]%QQC3.1 | Curtain Glass Door  | Outward_Double Glased  | Dobbelt dør | True                  | Manuel     | Panel dør |                          | 26          |
| Hide                                                                                                                                                                                                                         | [L]%QQC2.1 | 1010 x 2212         | Single Flush           | Enkelt dør  |                       | Manuel     | Kanaldør  |                          | 8           |
| Hide                                                                                                                                                                                                                         | [L]%QQC2.2 | 1012 x 2212         | Single Flush           | Enkelt dør  |                       | Manuel     | Kanaldør  |                          | 2           |
| Hide                                                                                                                                                                                                                         | [L]%QQC2.3 | 1212 x 2212         |                        |             |                       |            |           |                          | 2           |
| Hide                                                                                                                                                                                                                         | [L]%QQC2.4 | 812 x 2212          |                        |             |                       |            |           |                          | 14          |
| Hide                                                                                                                                                                                                                         | [L]%QQC2.5 | 912 x 2212          | Internal Single Flush  |             |                       | Manuel     |           |                          | 81          |
| Hide                                                                                                                                                                                                                         | [L]%QQC1.1 | 2112 x 2212         | Double Outward Terasse | Dobbelt dør |                       | Automatisk |           |                          | 8           |
| Hide                                                                                                                                                                                                                         | [L]%QQC1.2 | 2112 x 2400         | Double Outward Terasse | Dobbelt dør |                       | Manuel     | Panel dør |                          | 0           |
| Hide                                                                                                                                                                                                                         | [L]%QQC2   | Internal Doors      |                        |             |                       |            |           |                          | 0           |

1. Add properties
2. Mark multiple objects and press the pen to edit values

# Manage

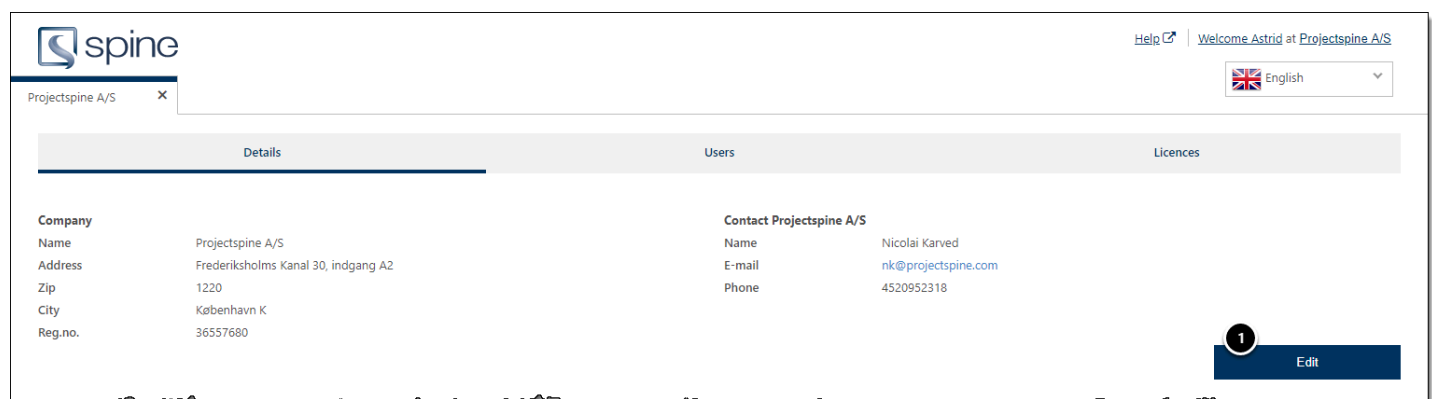


# Manage Company, Users and Licenses



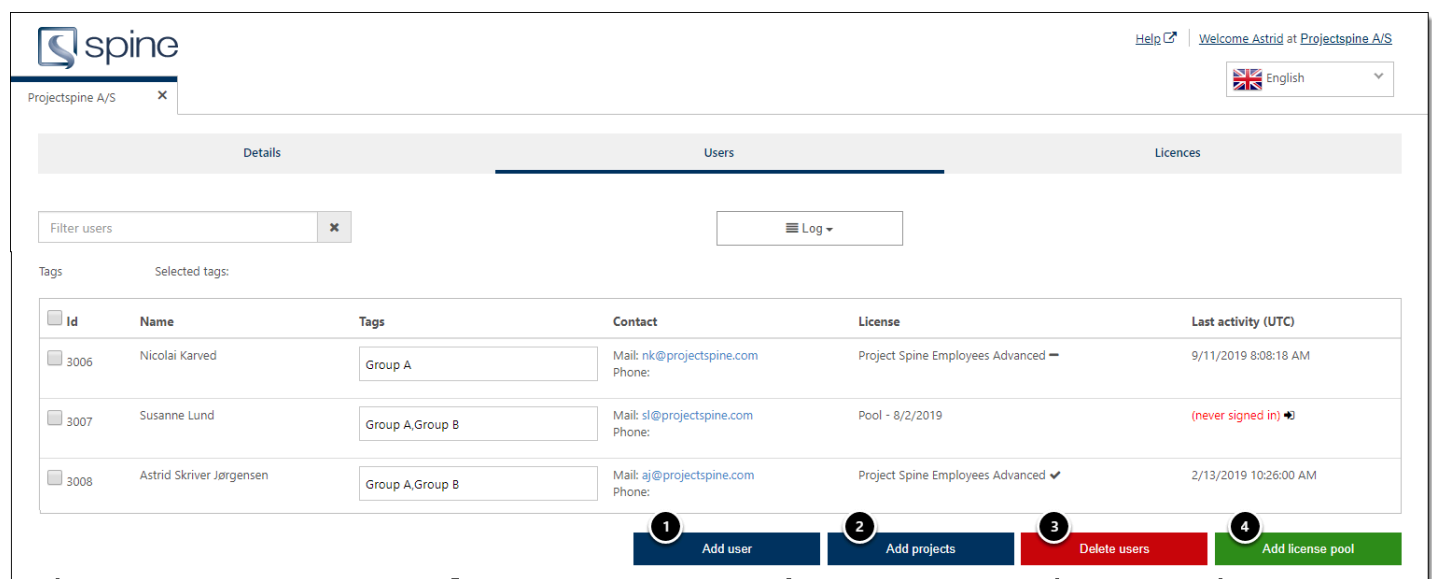
1. Go to Company

## 1. Company Details



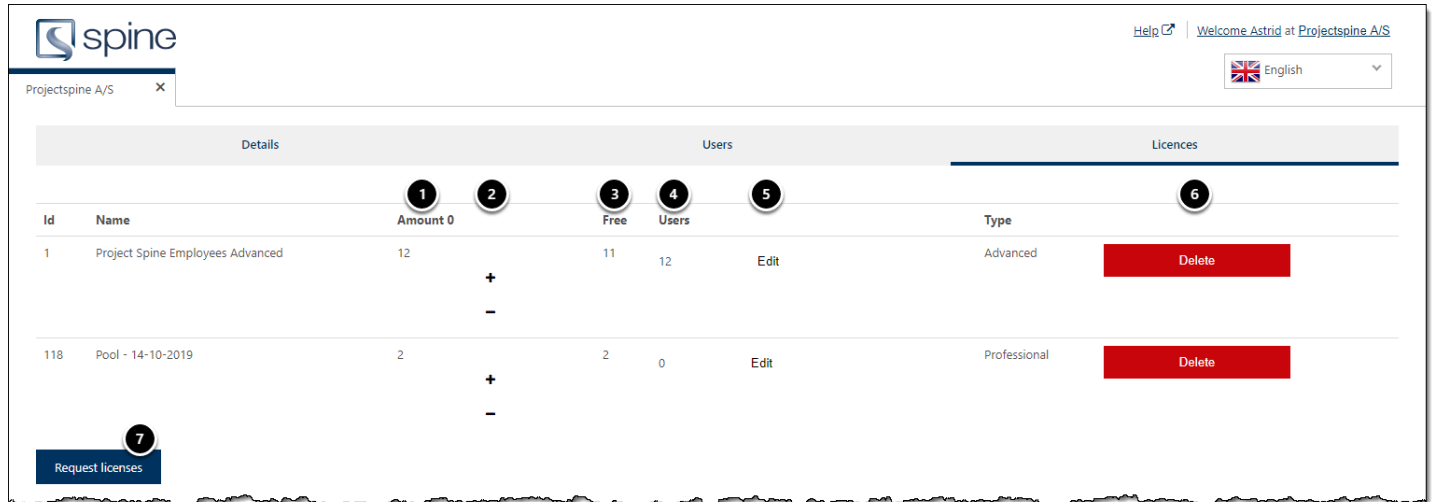
1. Edit [Company](#) details

## 2. Company Users



1. Add [user](#) 2. Add [projects](#) 3. Delete users 4. Add [license pool](#)

## 3. Company Licenses



Projectspine A/S

Help | Welcome Astrid at Projectspine A/S

English

Details Users Licences

| Id  | Name                             | Amount 0 | Free | Users | Edit | Type         | Delete |
|-----|----------------------------------|----------|------|-------|------|--------------|--------|
| 1   | Project Spine Employees Advanced | 12       | 11   | 12    | Edit | Advanced     | Delete |
| 118 | Pool - 14-10-2019                | 2        | 2    | 0     | Edit | Professional | Delete |

Request licenses

1. Licenses in pool
2. Move license from one pool to another
3. Free licenses
4. Users in pool
5. Edit pool
6. Delete pool
7. Request licenses