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SETTING UP

SUBSCRIBE

- 1) Go to https://www.bimservices.it/subscribe
- 2) Fill out the form and press the **REGISTER** button

First Name		
Last Name		
Company		
Contact Info		
E-mail *		
Repeat E-mail *		
Password *		
	Minimum length of 8 characters. The password must have a minim	um strength of Medium.
	Strength indicator	
Repeat Password *		
reCAPTCHA *	I'm not a robot	recaPTCHA
		Privacy - Terms
		rsonal Data Treatment *

3) Once you have registered, you will receive a confirmation e-mail, click on the link to confirm your identity, after which you will be able to **LOGIN**.

LOGIN

- 1) Go to https://www.bimservices.it/login/
- 2) Insert the username and password you had chosen during registration and click on **LOGIN**.

WOUR IFC MODELS IN POWER BI DOWER BI DOWER BI The Voad custom visual enables users to import IFC files into Power BI. EXAMPLES	Username Password Remember Me Log In	
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STARTING

After your first **LOGIN** on the website, to start using Vcad, you will have to select a subscription plan. Here are the available plans.

Level	Price					
20 SLOTS	€599.00 per Month.	Select				
10 SLOTS	€349.00 per Month.	Select				
5 SLOTS	€199.00 per Month.	Select				
ISLOT	€49.00 per Month.	Select				
	Free					
	By choosing the FREE 10DAYS account you will have one slot					
FREE 10DAYS	for uploading your IFC files. The FREE 10DAYS plan will expire in					
	ten days. You will be able to activate the FREE 10DAYS					
	account only one time.					

If none of the listed subscription plans is sufficient for your needs, you may request a personalized subscription plan through the form at this link <u>https://www.bimservices.it/plan-request-no-user/</u>

SUBSCRIPTION PLANS

- 1) Select the subscription plan of your choosing and press the **SELECT** button.
- 2) Select a payment method. The available payment methods are PayPal or Credit Card. The payment method will be used for automatic recurring payments unless the account has been previously canceled.

Choose Your Payment Method

- Check Out with a Credit Card Here
 Check Out with PayPal
- 3) Insert your billing information. The listed prices are to be considered before tax, for European clients there will be the addition of a 22% tax.
- Accept the TERMS AND CONDITIONS of Vcad and click on the SUBMIT AND CHECKOUT button to complete the purchase.

MY ACCOUNT

The **MY ACCOUNT** page is the personal page that every user has access to and contains all the information regarding the subscription plan currently in use. The side **MENU** will allow the user to access the Vcad control panel, send a customer case ticket for help or requesting a personalized subscription plan.

VCAD FILE MANAGER

USAGE

After having logging in and selecting a subscription plan, the user will have access to the Vcad file manager at this link <u>https://www.bimservices.it/vcad-file-manager/</u>

The user will have a set number of available slots where they may upload their .ifc files. The following image explains what a slot is and how to use the Vcad file manager.

					_		What is a slot?		
arch		Label	Downald	Date	Size(Mb)	UPLOAD	A slot is where you will upload your IFC file.		
	cc2ec923-eaaa-4695-aba8-0914b5153178.fc	Vial	1	3/2/2020	all parts	005000	The available number of slots will vary depending on the type of subscription ye choose		
	8149530a-8etc-42cb-891e-cd4techt9b18.Hc	0x00	2	4/2/2020	1.004	005000	choose		
	0031e017-7450-4c4c-804b-06472b10b4c3.itc	Dr. building	з	3/2/2020	20.247	00000	How many files per slot can I use?		
	20055666-da0e-402e-a011-329098e41007.#c	Out on heat	4	3/2/2020	311.012	00B()00			
	oc2ec923-easa-4695-aba8-091465155178 /c	Construction grant	5	2/2/2020	10.746	0051100	A slot can house a single IFC file.		
	de10777e-1326-4a07-6965-7ca3104757ea.nc	http://	6	4/2/2020	20.010	005()00	Each file you upload and process through the Vcad custom visual can be used to crea		
	a74de085-89ec-47cb-ac30-dot9069e8a56.tc	Test	7	3/2/2020	219	008()00	unlimited reports.		
	d3555304-3614-4358-9809-c3e9a011e34d.rlc	drive plan.	8	3/2/2020	20100	006(100			
	abfad747-acb5-4a77-9cc6-4503/0823eec.fc			4/2/2020	101.015	006000	What operations can be done for every slot?		
	734629fa-e3e9-4392-9015-09e7c53e2fa.tc	hand the		3/2/2020	100.212	001100	The Vcad custom visual will allow you to manage you IFC files from Power BI.		
B 02715/05-2964-4060-5ead-631034600964 fc 32		3/2/2020	-10.000	0051300	 Once you have uploaded an IFC file it will be processed. Wait for the process to be over 				
					0	⊕ ₿{}©	Then you can simply select it and you will view the model in your Power BI report.		
EVII ct your	EW file and open the preview					©⊕ B {.}© ↑ ↑ ↑ ↑ ↑			

Click on the following image to see a video explaining the registration process, the upload of an .ifc file and access to the file preview.

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Once the user has uploaded the .ifc file in Vcad, they will need to wait for the file to be processed before they can check the preview and download a template.

In the side image are listed the various stages of file processing.

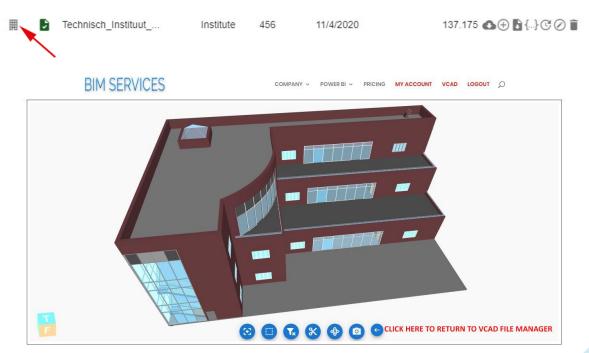
If once the processing is complete the system indicates there has been an error, the user may send a ticket to our customer service by opening this link

https://www.bimservices.it/open-ticket/

Once the processing is complete and the green icon is displayed next to the file, the user may access the preview of the model to view the model and then download one of the available templates.

PREVIEW

by clicking on the preview icon, the user may view the uploaded model. The preview is useful to verify that the extraction process completed without any problems. If the model does not appear as expected the user may send a ticket to our customer service by opening this link <u>https://www.bimservices.it/open-ticket/</u>



CENTER GEOMETRY



Sometimes a model may not be rendered correctly do to a problem with the centering of the geometries. The user may click on the displayed icon to center the model.

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DOWNLOAD IFC FILE



By clicking on the displayed icon the user may download the original .ifc file that was uploaded.





DOWNLOAD JSON FILE

By clicking on the displayed icon the user may download a Json file with the model's data extracted by Vcad, which will be vailable in the tables of the templates.



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UPDATE IFC FILE



By clicking on the displayed icon the user may update the .ifc file in the slot. By doing so, the old file will be replcaed.

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UPDATE IFC INFO

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By clicking on the displayed icon the user may update the file's information, label and externalID.

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DELETE IFC FILE



By clicking on the displayed icon the user may delete the .ifc file. The slot will become available for a new upload and the reports created with the old file will stop working.

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TEMPLATES

DOWNLOAD



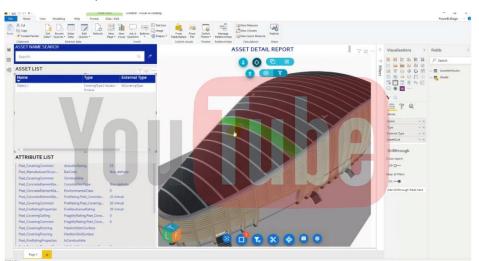
By clicking on the displayed icon the user may dowwnload one of the available Power BI templates.

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BIM SERVICES	Fower Bi TEMPLATES Template ASSETS SPACES COLORS DETAILS			PRICING Out 2 2 2 1		Size(Mb) 156,133 137,175 10,357 18,257 27,969 24,499 3,360		C UPLOAD	
8 of 100 slots used (7 files deleted)	DSE				_				

Each Power BI template will contain the extracted data form the selected .ifc model as well as the Vcad custom visual already linked to the model's data. <u>Without having to create a new</u> <u>Power BI report, thanks to Vcad with a few clicks there are several ready solutions</u> focalized on the analysis of the model's spaces or assets.

The template may be altered to the user's needs and all the other tools of Power BI can be used. The template can then be saved as a .pbix file, uploaded to the user's Power BI workspace and shared with whoever.

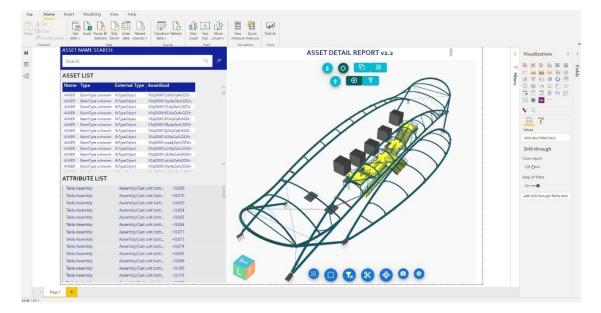
Click on the following image for a video showing how to download a template and public hit on one's Power BI workspace.



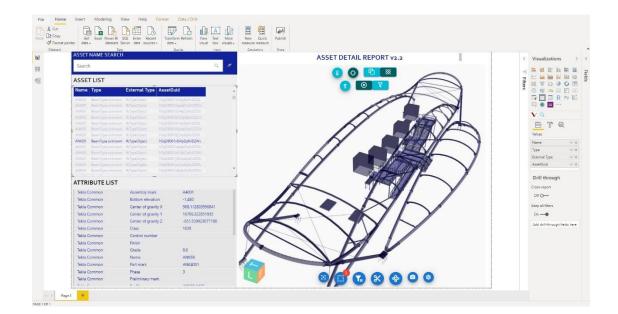
We are constantly adding new templates to the list and on request it is possible to create a personalized template for the user. The following list goes over the currently available ones.

ASSETS ANALYSIS

The **ASSET ANALYSIS** template displays the Vcad custom visual and two tables, the first table lists the assets in the model, the second one lists the asset attributes.

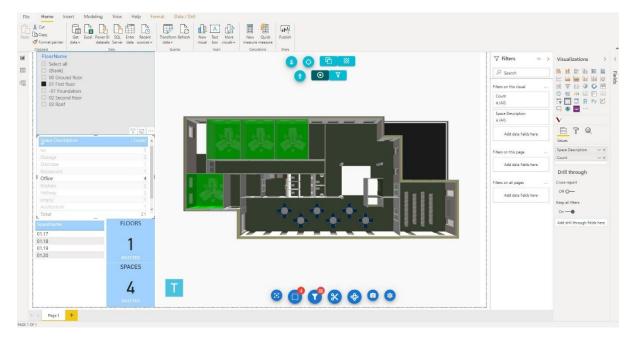


By selecting one or more assets in the table the corresponding element is highlighted in the model and the attribute list shows the relative attributes. The custom visual functionalities allow for an easy identification of object both from the list and by clicking on the model.

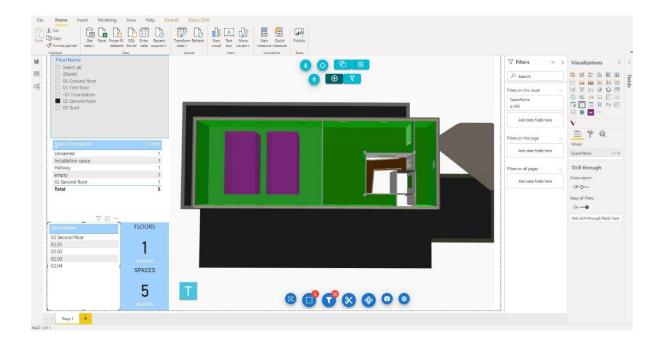


SPACES ANALYSIS

The **SPACES ANALYSIS** template displays the Vcad custom visual, a selectable list of floors, description and names of the spaces in the .ifc file.

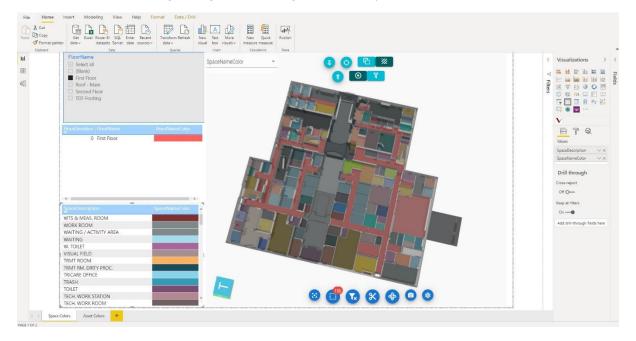


Depending on the selection in the "Floor Name" list, the model will be filtered by that floor and highlight the spaces within it. The description and name list allow the user to filter the desired spaces.

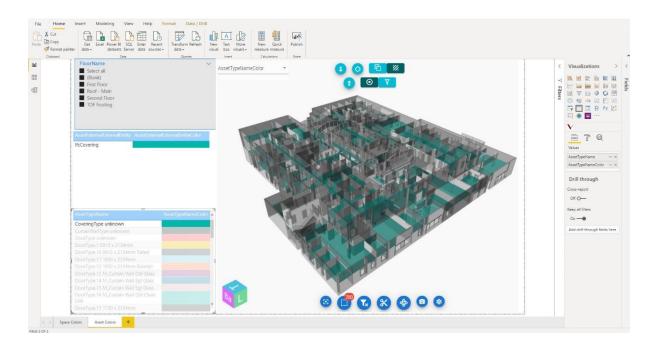


COLORS

The **COLORS** template displays two pages, the first regarding the coloring of assets by type or name, the second regarding the coloring of spaces by description or name.



The user may select a floor and filter the spaces by name and intended use. The Vcad custom visual allows for easy identification of the desired space thanks to the use of a specific color.



As for the spaces, the Vcad custom visual allows the coloring of assets based on the type or name. The different coloring combined with Vcad's functionalities allow for easy identification of the elements of the .ifc file.



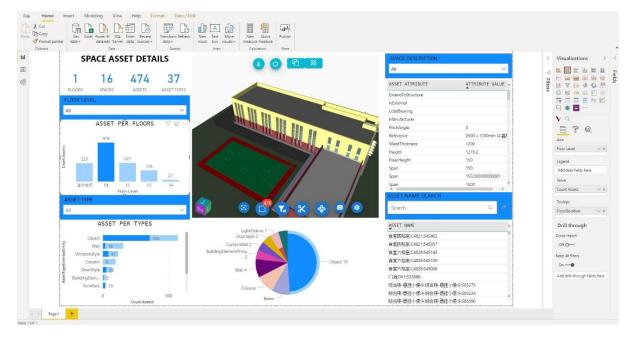
Vcad allows for different types of coloring depending on type, name, room collocation, etc. indistinctly for assets or spaces.

Using the dropdown menu, the user can set the active coloring rule to apply to the model.

It is also possible to change de default highlight color for assets and spaces.

DETAILS

The **DETAILS** template contains the custom visual Vcad and an overview on the contents of the .ifc file focusing on the number and type of assets in as well as the number of spaces defined.



The template contains the information of the structure of the model, starting with the number of assets and their attributes. The filters defined concern the floors, the assets per floor or the assets per type of space.

The templates that can be downloaded in the Vcad file manager are like any other Power BI template. They can be modified as needed, every template will have the information of the assets, spaces and attributes as Power BI tables, so users can easily use other visuals in the report or add other data-sources not present in the model.