Cadify tutorials
Cadify Basics

GOAL OF THIS TUTORIAL

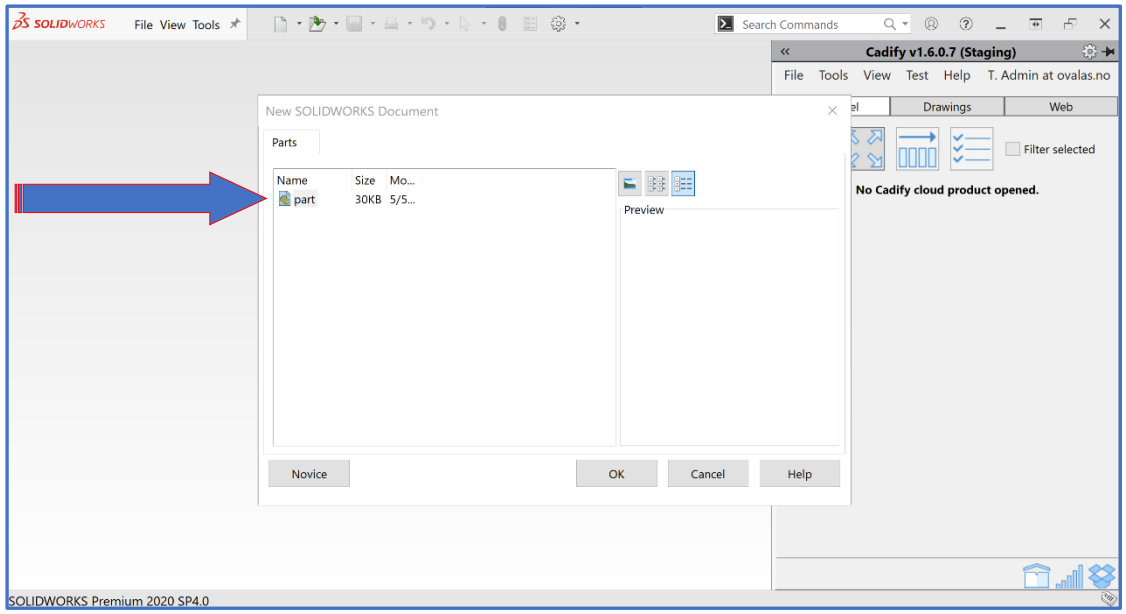
Learn about *raw* and *published* conditions, basic features and Excel workbook linkage.

To do this tutorial user must be logged in Cadify.

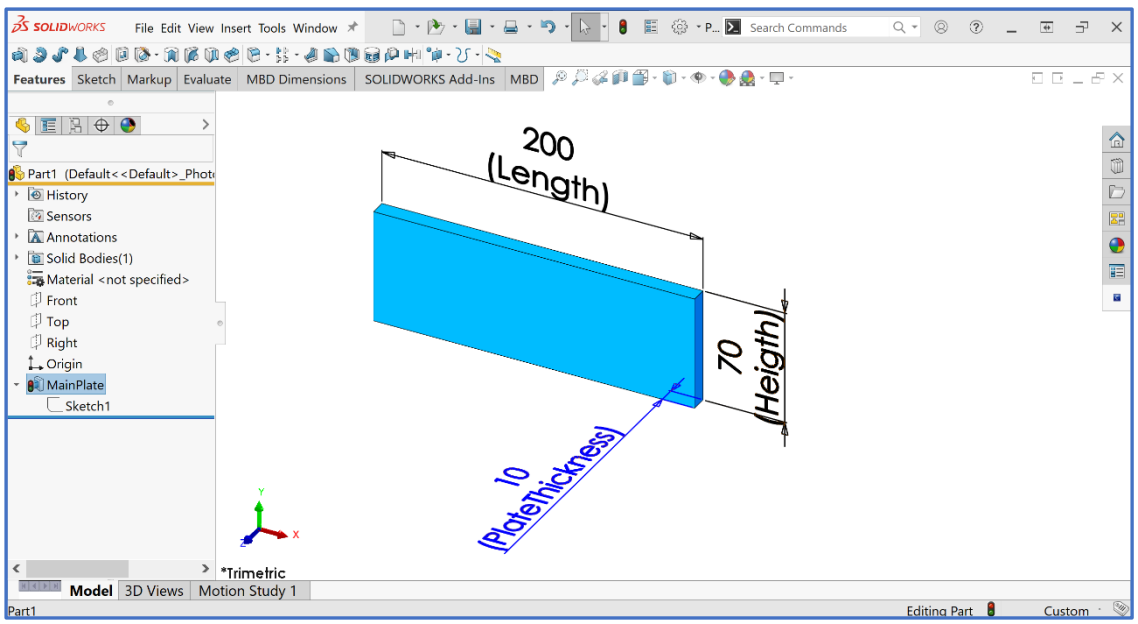
CREATE A PART AND SAVE AS RAW

Create a new part. Cadify automatically added its own template to File Locations.

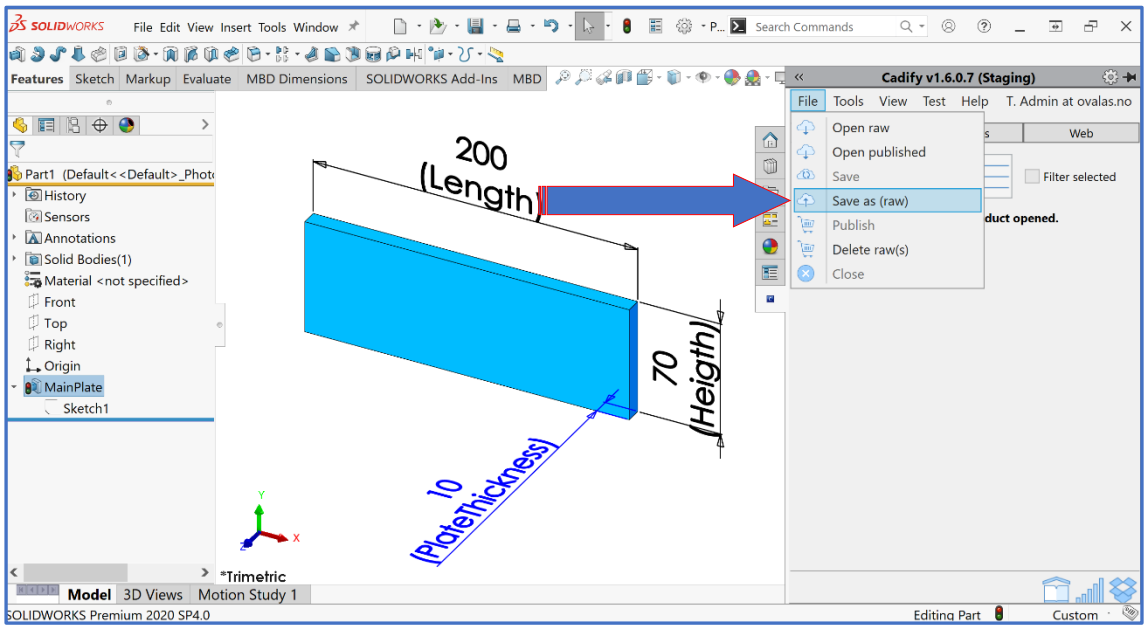
Cadify template route: "C:\Cadify\Templates\English\Parts".

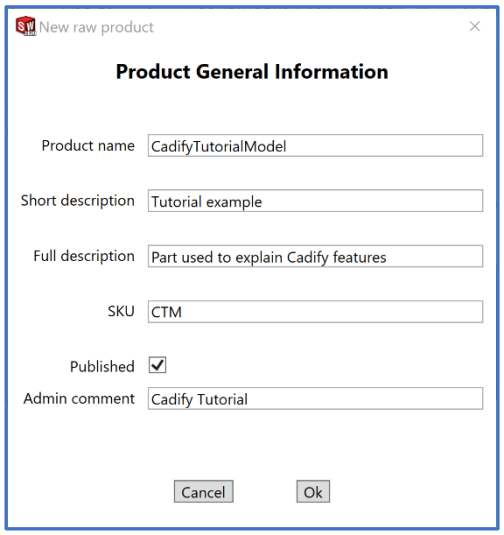


Draft the following part. For good practices is recommended to change feature and dimensions default's names.



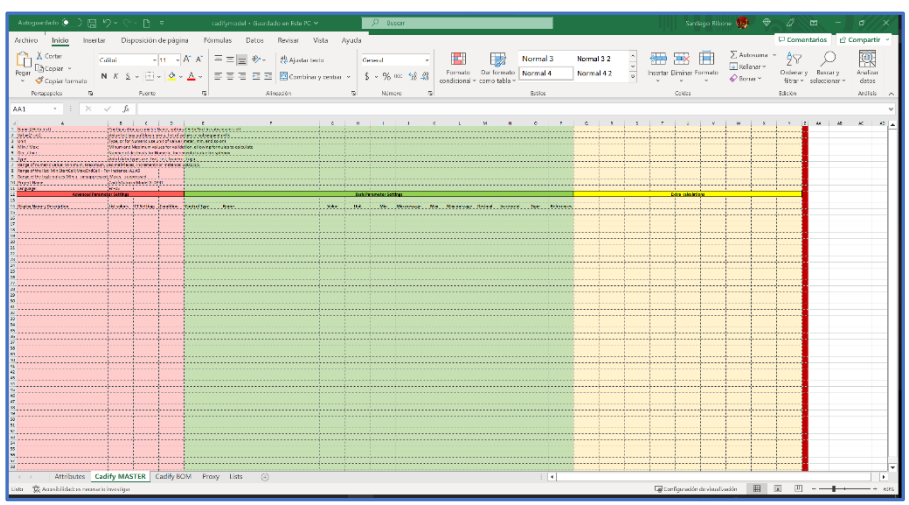
Save the part as raw.





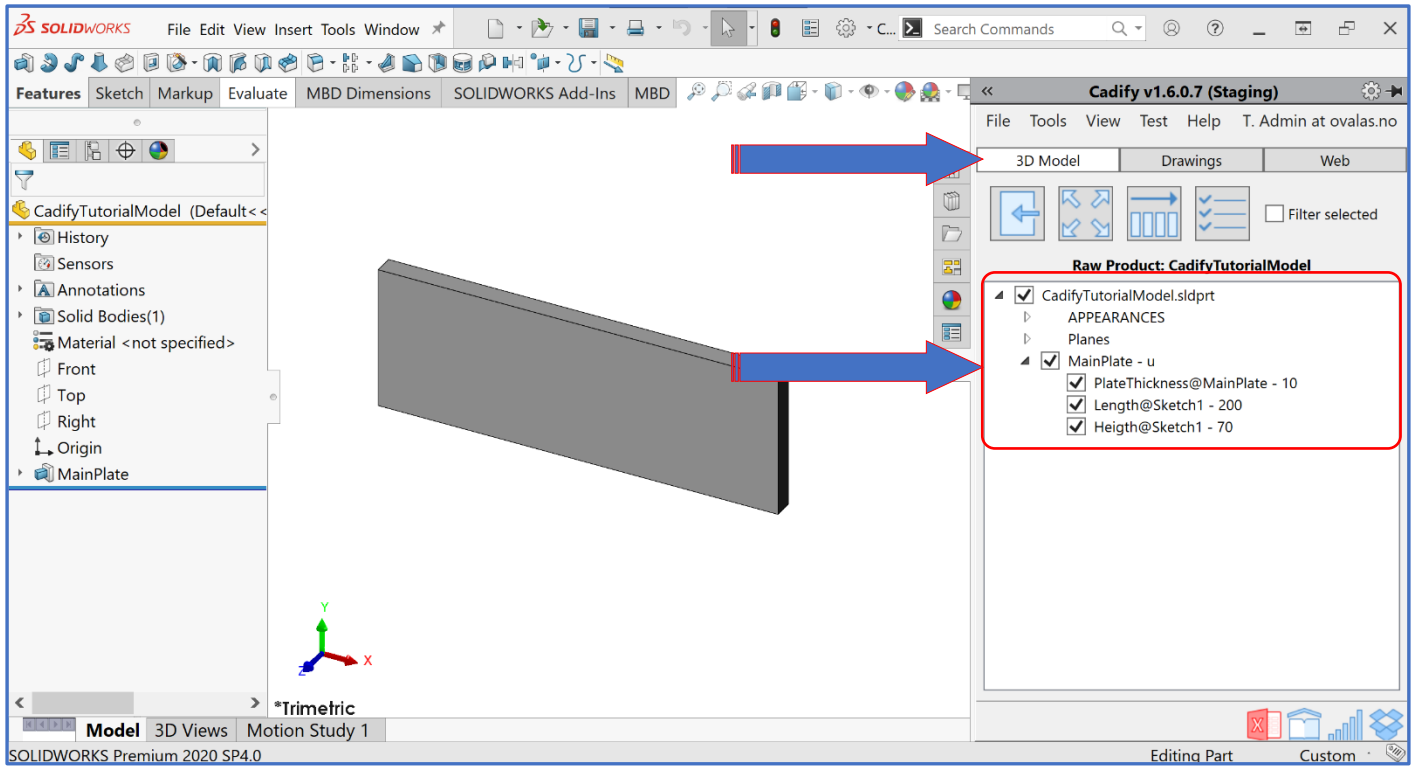
After saving as raw, Cadify will automatically close and re-open the part. Simultaneously an Excel workbook will be opened. This file is linkage to the part and contains the information used by Cadify database.

This is an essential part of what Cadify really is: *Excel spreadsheet fully integrated into SolidWorks*. This is NOT a DesignTable, this is much more responsive and extremely powerful in comparison. The Cadify workbook is essentially the entire database for presenting and interacting with the product on the web

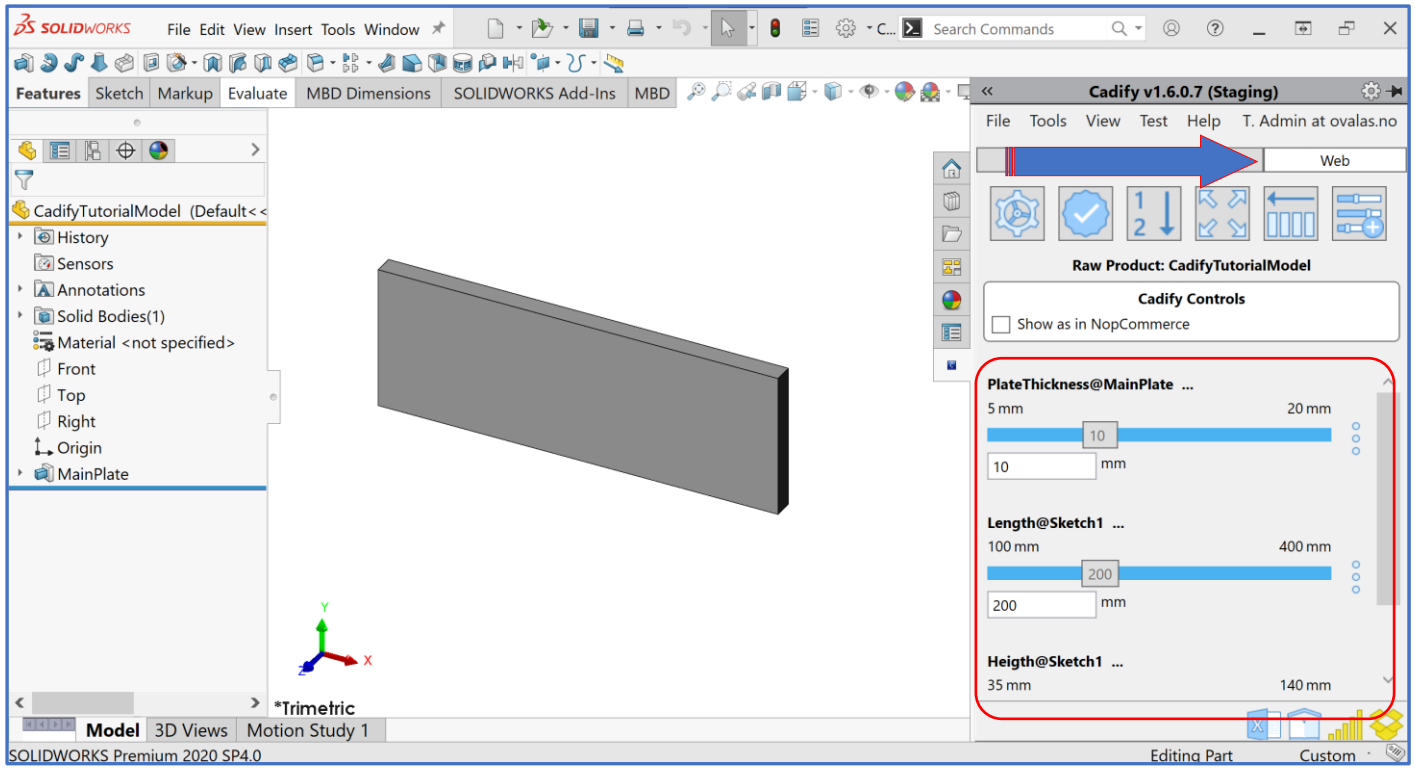


ADD USER'S PARAMETERS

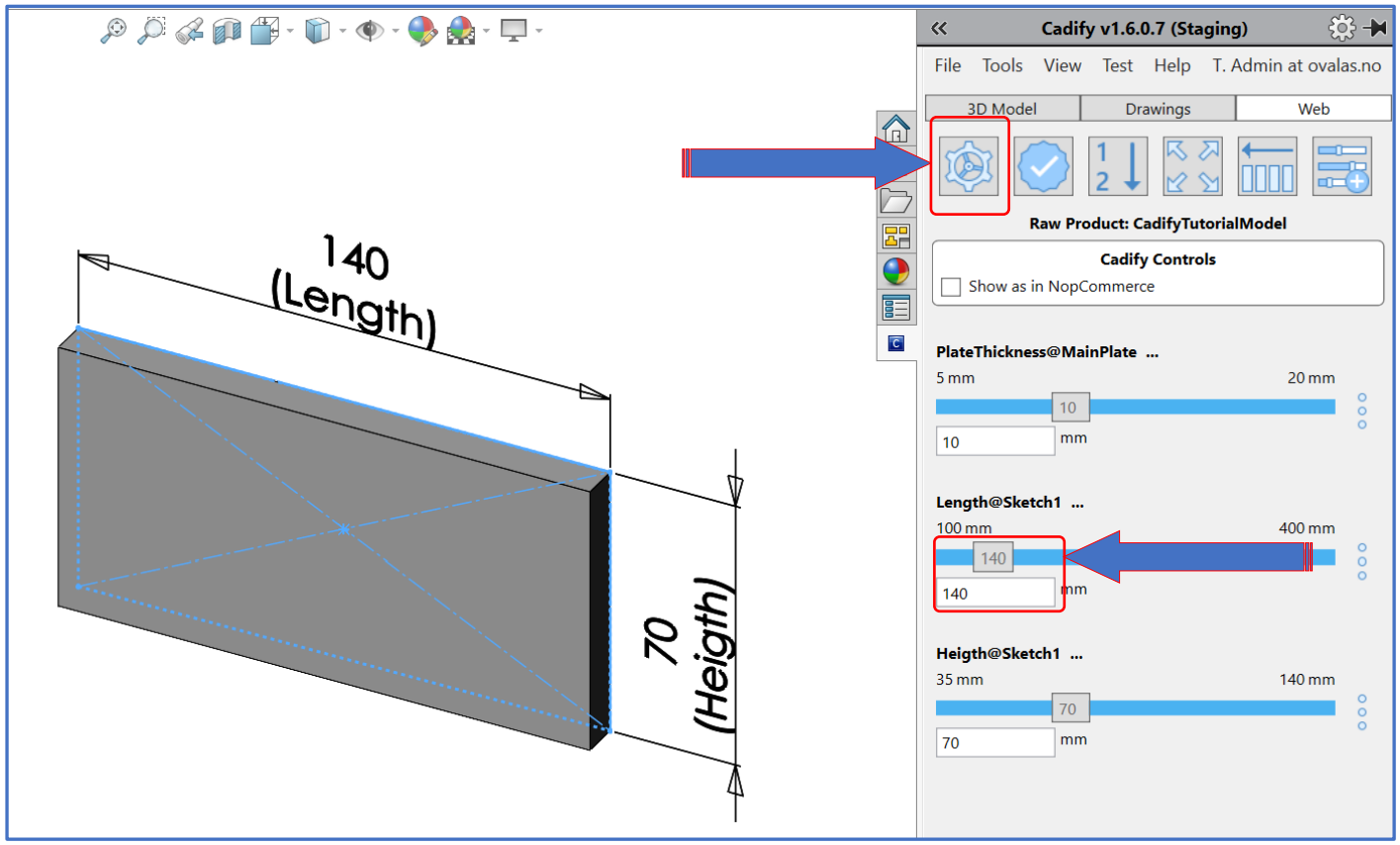
In the *3D Model* tab, select the parameters than can be modified by the user in the web browser.



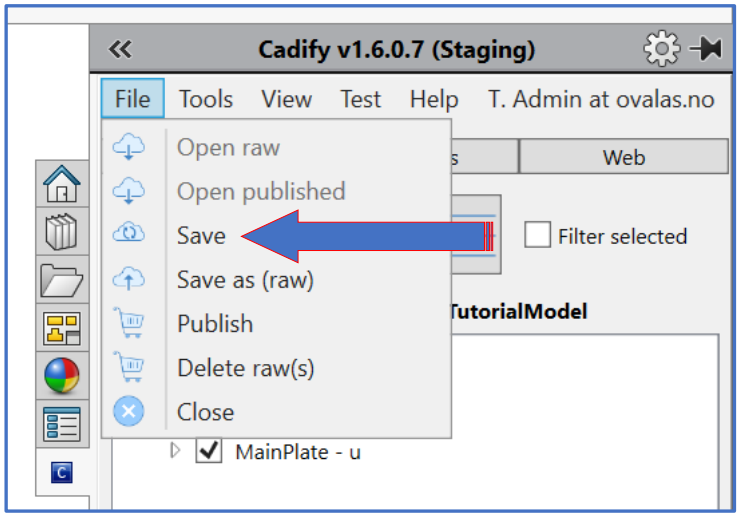
In the *Web* tab the parameters will appear. They can be modified moving the slider.



Move the slider or re-write the number in the cell and then click on Update button.



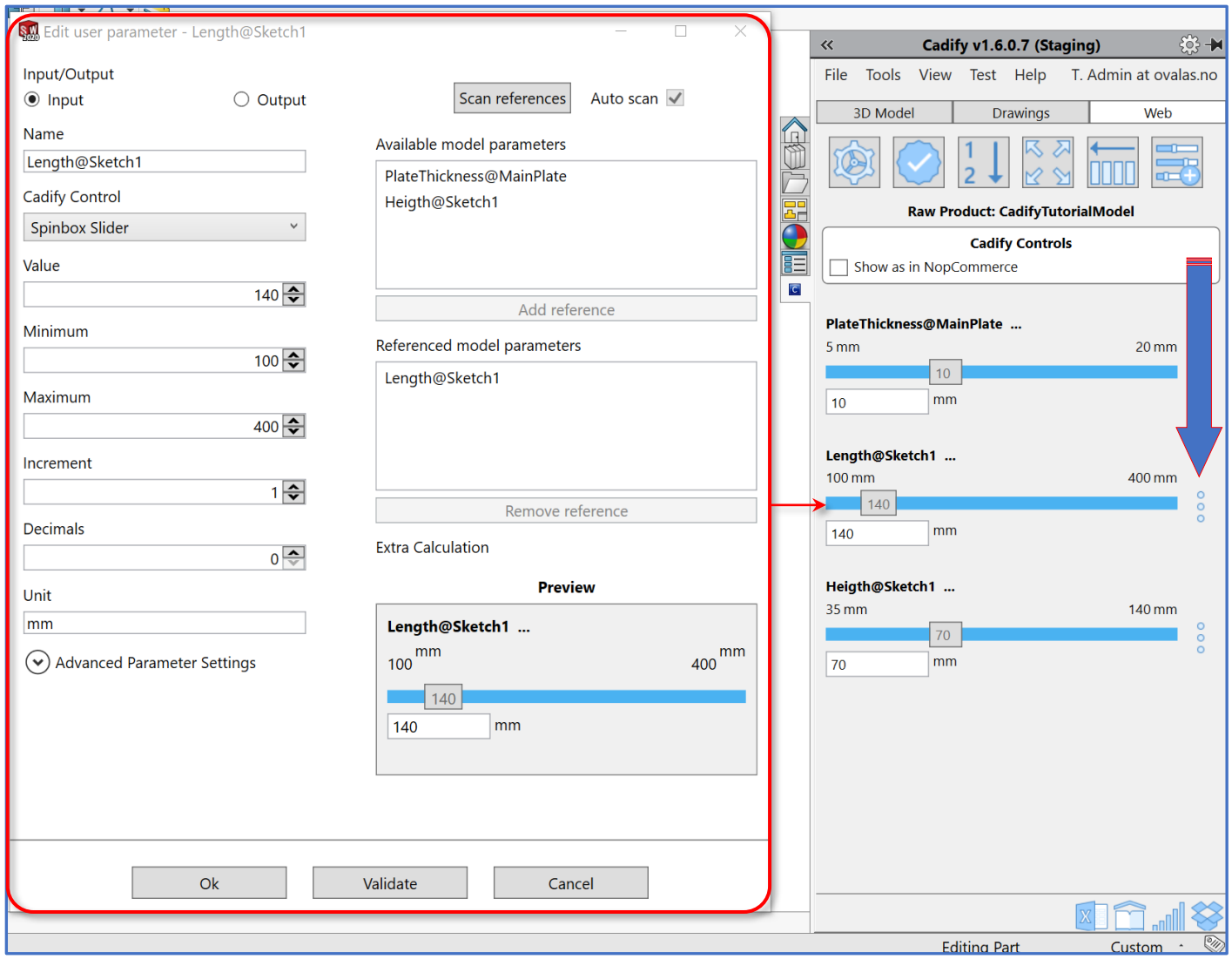
Anytime in the process the file can be saved. To close the part click on *Close* in the same menu.



EDITING USER'S PARAMETER

Click on the three dots beside of the slider and select edit. It will open a window where the parameter can be edit. It's possible to change:

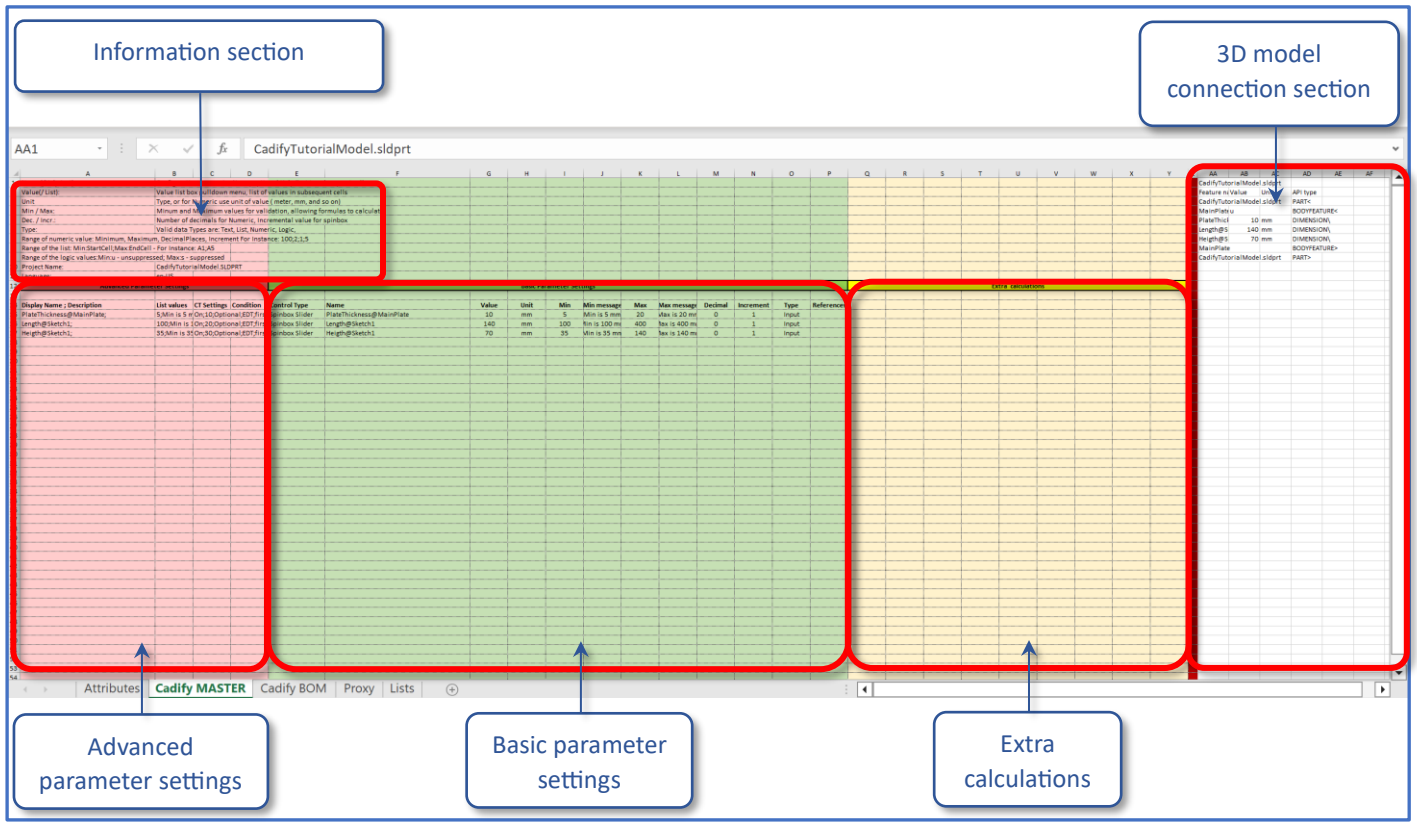
- Name of the parameter.
- Type of Control (slider, numerical, etc).
- Initial, minimum and maximum values.
- Increment, decimals and. units



EXCEL WORKBOOK AND CADIFY

General view

The workbook is pre-formatted and has the tab “Cadify MASTER” which is the true database repository for the Product, and has all the properties, settings, referenced and documents that is required for a complete Cadify online product.



Linkage between the workbook and the user’s parameters

The values in the marked columns are linked to the values in the Cadify controls. Changing the workbook will change the controls and vice versa. Change values and check the responsive of Cadify controls tab in Solidworks.

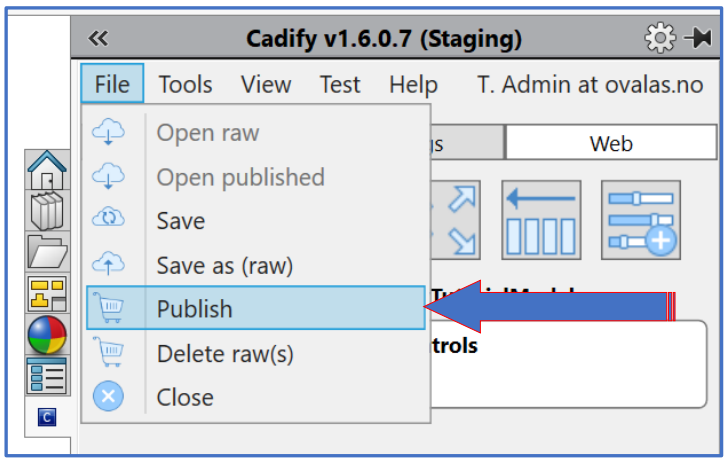
Basic Parameter Settings												
ion	Control Type	Name	Value	Unit	Min	Min message	Max	Max message	Decimal	Increment	Type	References
	Spinbox Slider	PlateThickness@MainPlate	10	mm	5	Min is 5 mm	20	Max is 20 mm	0	1	Input	
	Spinbox Slider	Length	140	mm	100	Min is 100 mm	400	Max is 400 mm	0	1	Input	
	Spinbox Slider	Heigth	70	mm	35	Min is 35 mm	140	Max is 140 mm	0	1	Input	

The great value of this is that the engineer will be able to apply the advantages of Excel into Cadify (apply formulas, data validation, etc.). Examples of this will be present in further tutorials.

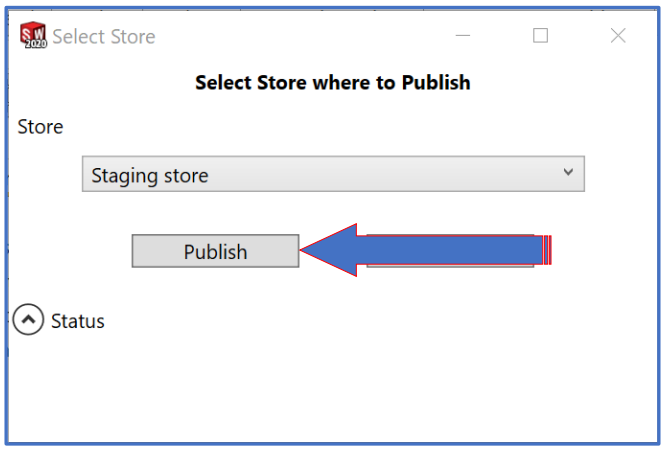
PUBLISH THE PRODUCT

Publish

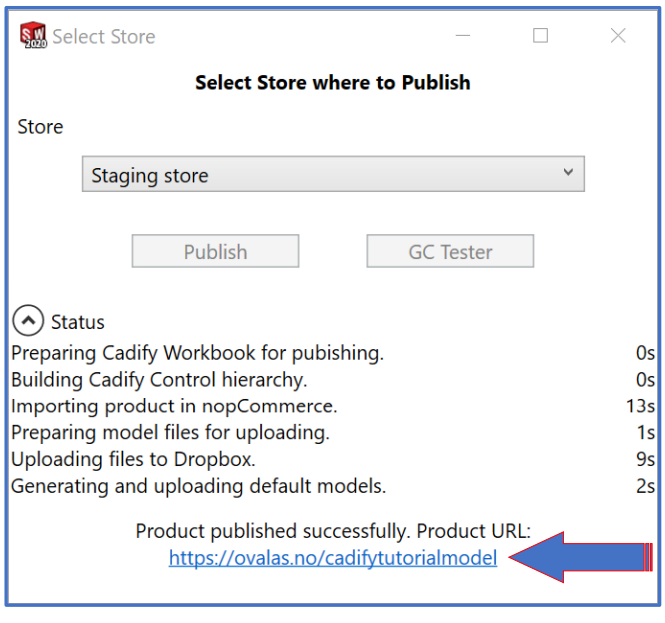
Click on Publish button.



A window will be open where, select Store to publish the product.



After publishing the link to the product will appear. Click on it.



A view from the web browser

Move the sliders and click on *Calculate*, the 3D model will be update.