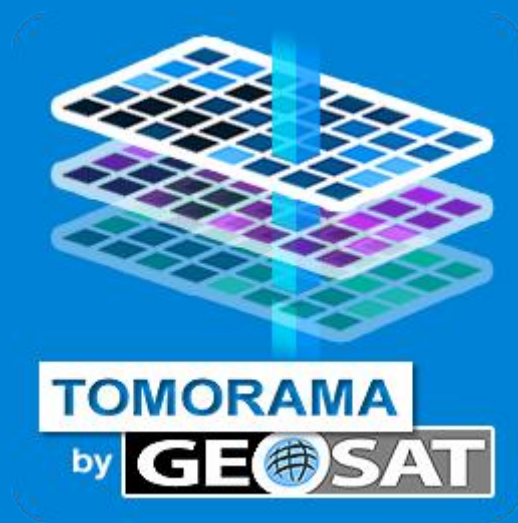


TOMORAMA



User Manual 2.0

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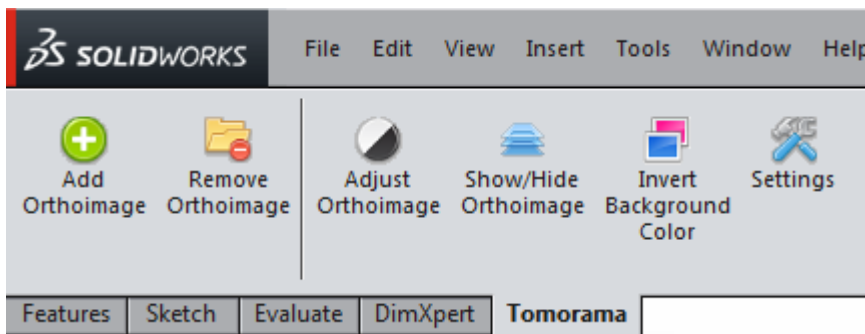
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1 – Introduction

TOMORAMA is an add-in for SOLIDWORKS 2013 / 2014 / 2015 that allows you to import an orthoimage(s) geo-positioned section(s) and plan(s) generated from SCENE and PointCab point clouds.

2 – Installation

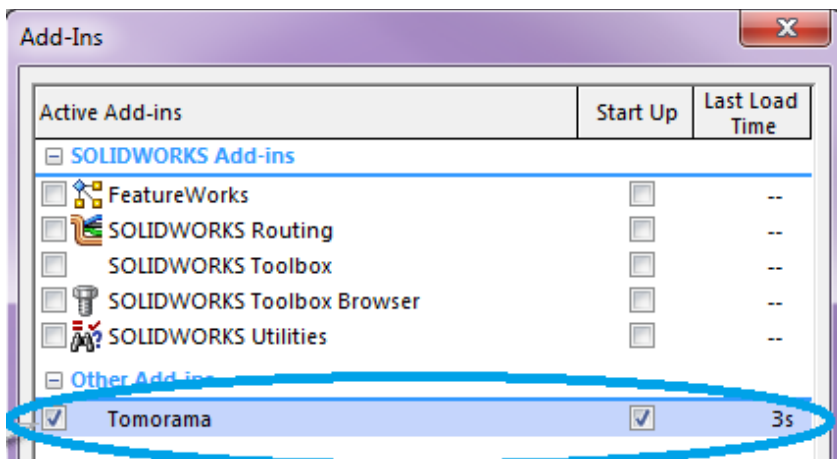
- 1) Double-click on the installer tomorama_setup.msi.
- 2) Follow the steps of the installer.
- 3) Tomorama will be installed at **C:\Program Files\Geosat\Tomorama**
- 4) That's it! Tomorama is now available for you on SOLIDWORKS 2013/2014/2015.
- 5) Once installed, you should have Tomorama toolbar in your Command Manager.



Tomorama troubleshooting

Be sure the add-in is activated in SOLIDWORKS Add-in Menu (**Tools > Add-Ins**).

It should look as follows:



Please note: This add-in is available in four languages but also runs if SOLIDWORKS is operated in other languages.

3 – Toolbar

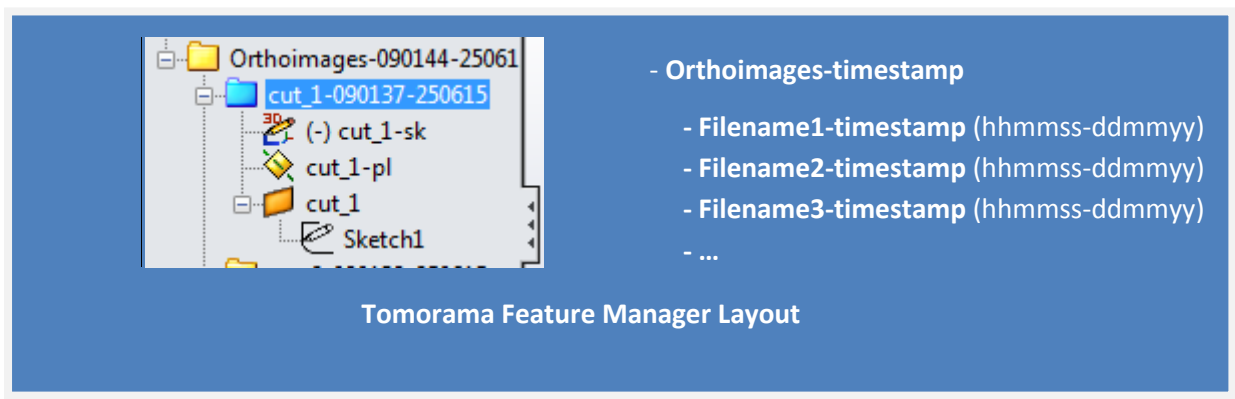
3.1 – Adding orthoimage(s) of section(s) or plan(s)

3.1.1 – Importation

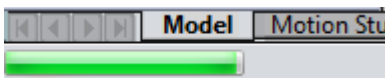
Tomorama works with SOLIDWORKS Part Document only. During importation, our add-in creates four elements for each orthoimage and groups these orthoimages into a top folder:

- A surface plane
- A 3D Sketch
- A reference plane
- A decal (orthoimage file)

Each group of these four elements is moved into a folder following this naming format:



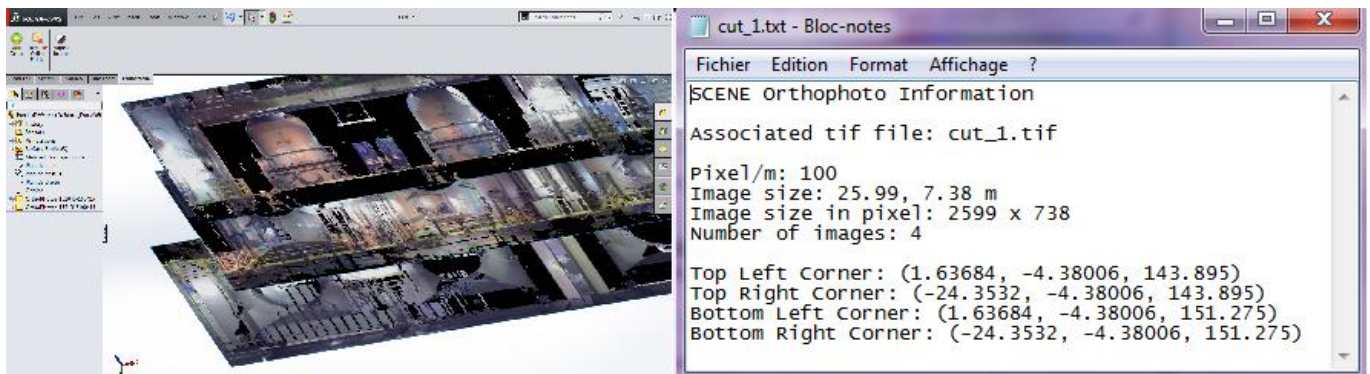
You can see orthoimage importation's progress in SOLIDWORKS progress bar at the bottom left of your window:



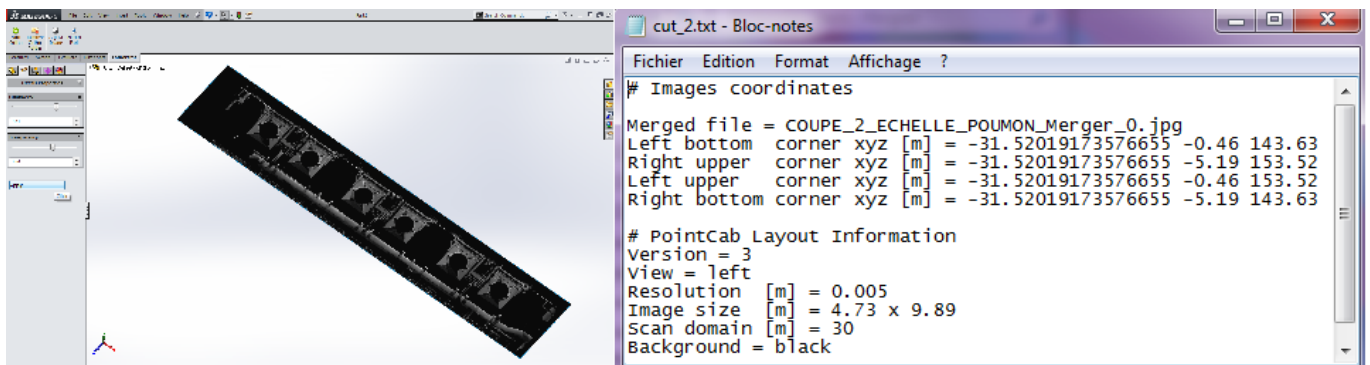
Once importation is finished, SOLIDWORKS progress bar disappear.

3.1.2 – Supported Formats

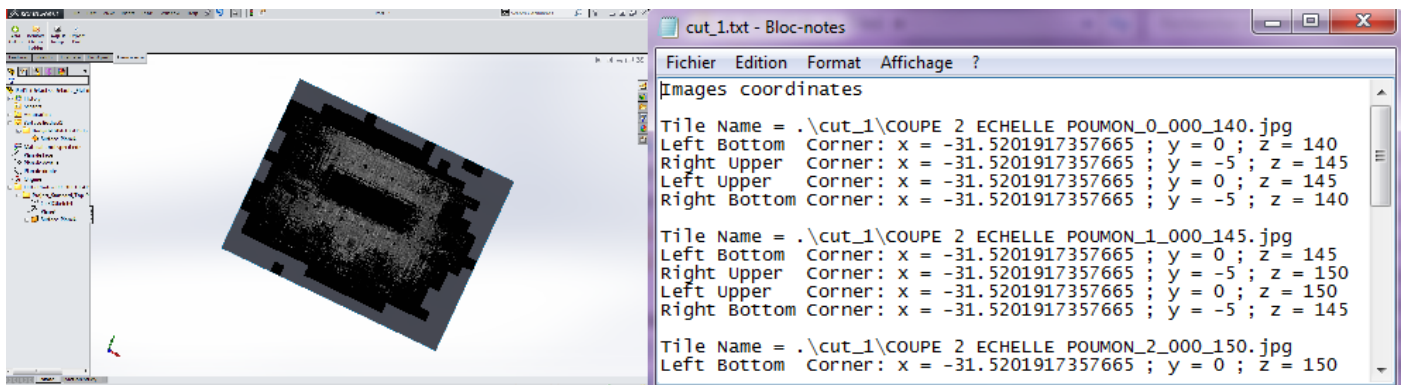
SCENE orthoimage (.txt extension) (Generated with SCENE Orthographic app)



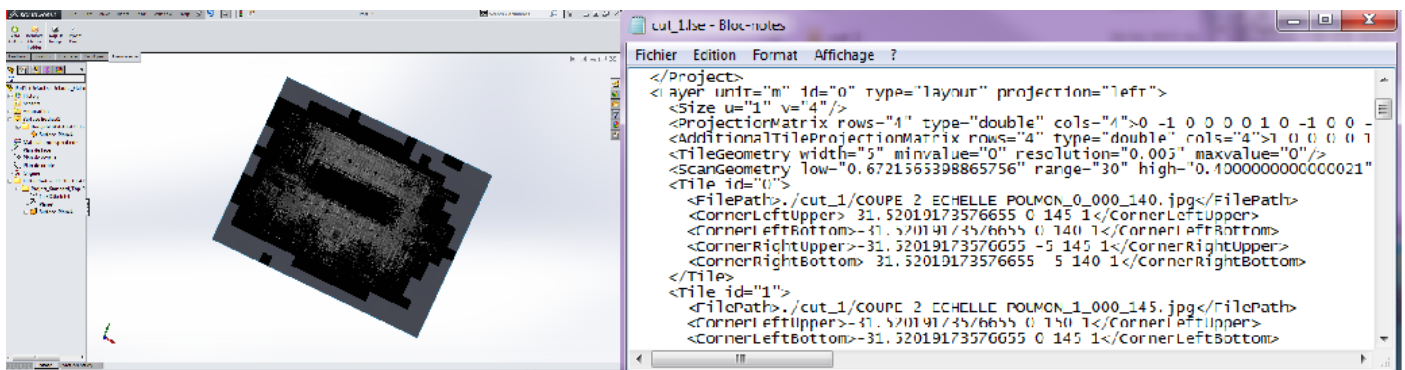
PointCab merged orthoimage (.txt extension)



PointCab tiled orthoimage (.txt extension)



PointCab tiled orthoimage (.lsc extension)

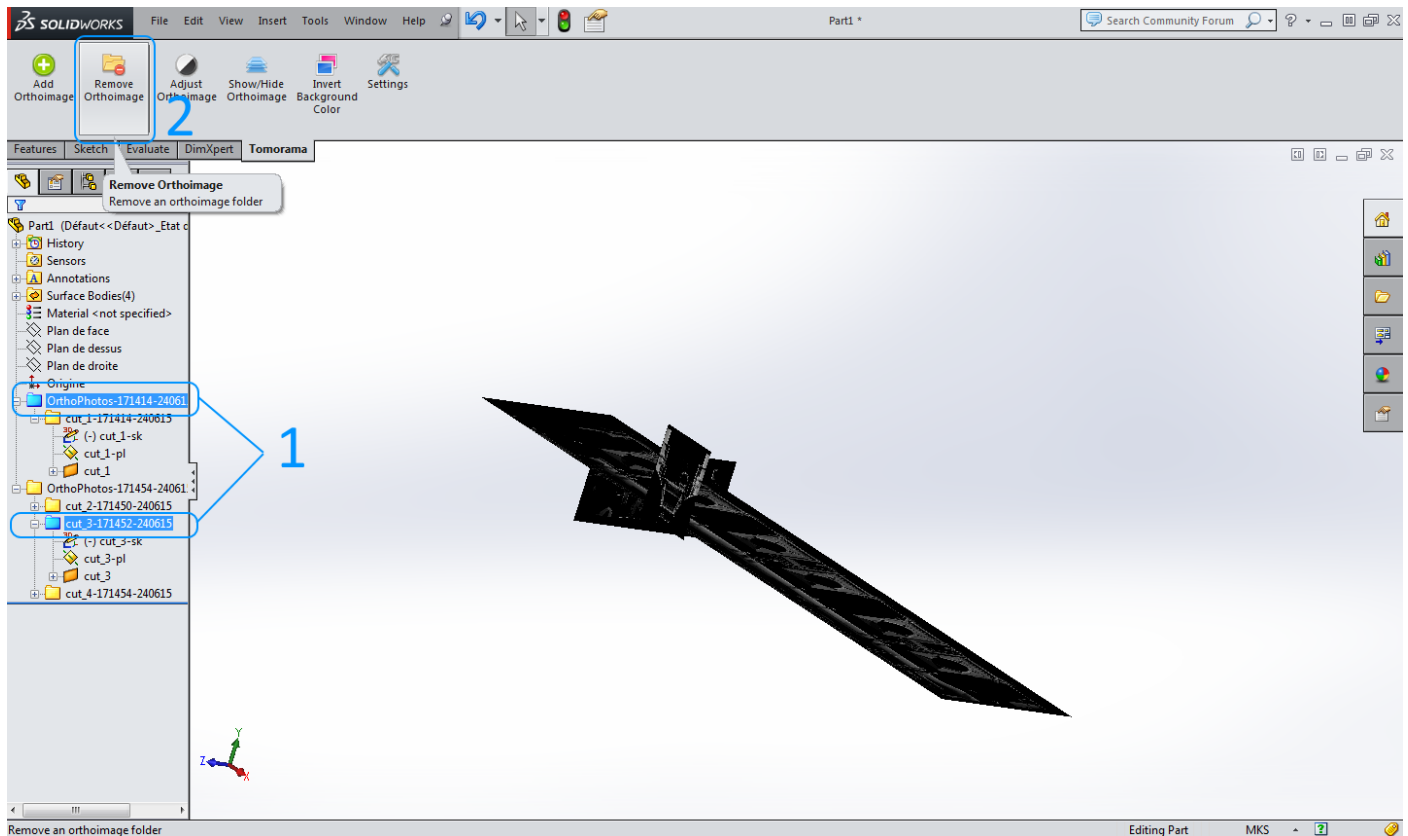


3.2 – Removing orthoimage(s) folder

Remove Orthoimage allows you to cleanly remove orthoimages from your Part Document.

1 - Select your orthoimage(s) folder(s)

2 - Click on **Remove Orthoimage**



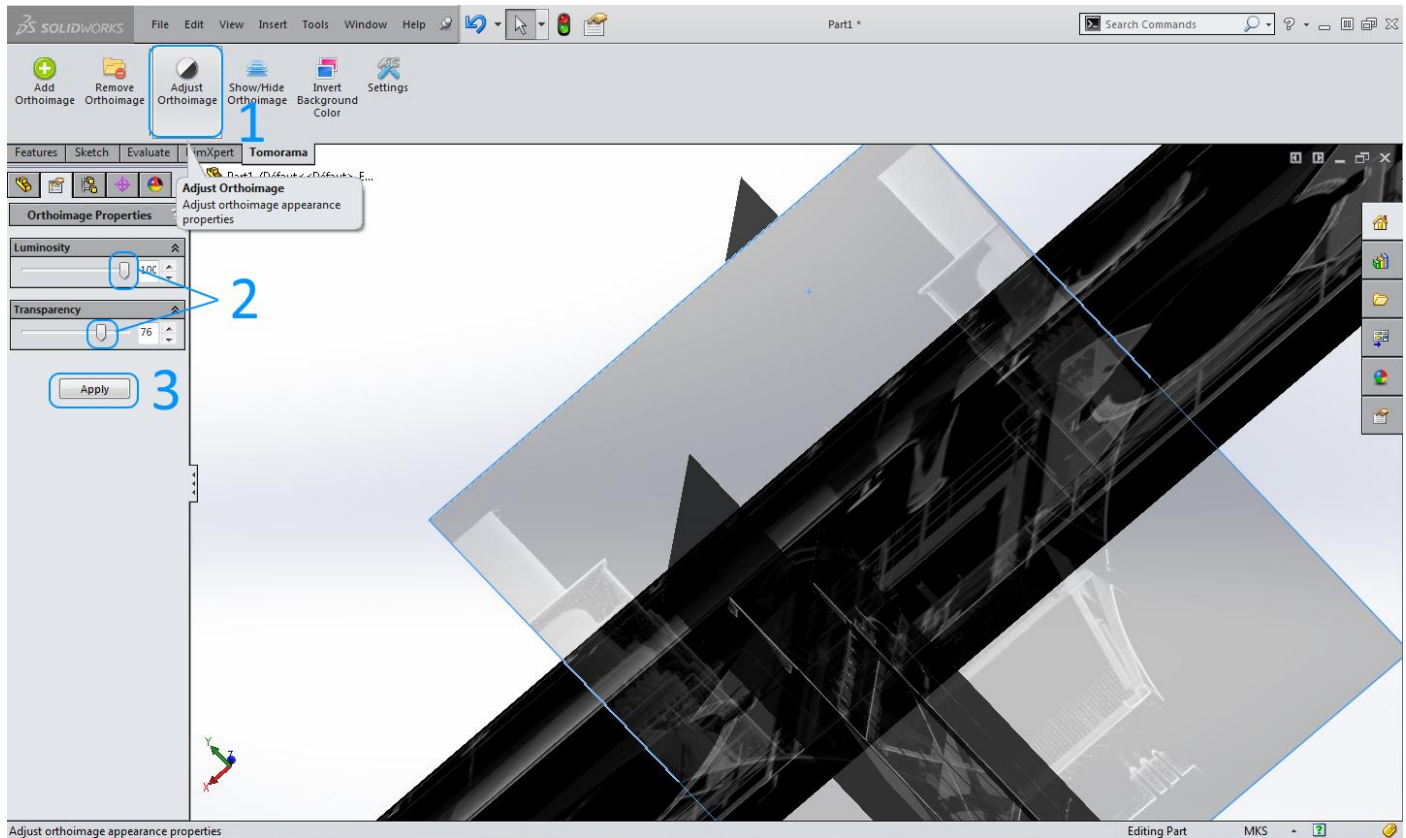
Remark(s)

Remove Orthoimage can only delete Features contained in Feature Manager folder(s) and SurfaceBodies folder(s).

3.3 – Adjust Orthoimage

Adjust luminosity and transparency properties of your decals.

- 1 - Click on **Adjust Orthoimage** to display Decals Properties panel
- 2 - You can adjust luminosity and transparency levels by sliding the cursors (0.00 – 1.00)
- 3 - Click on **Apply** to save modifications



3.4 – Show / Hide Orthoimage

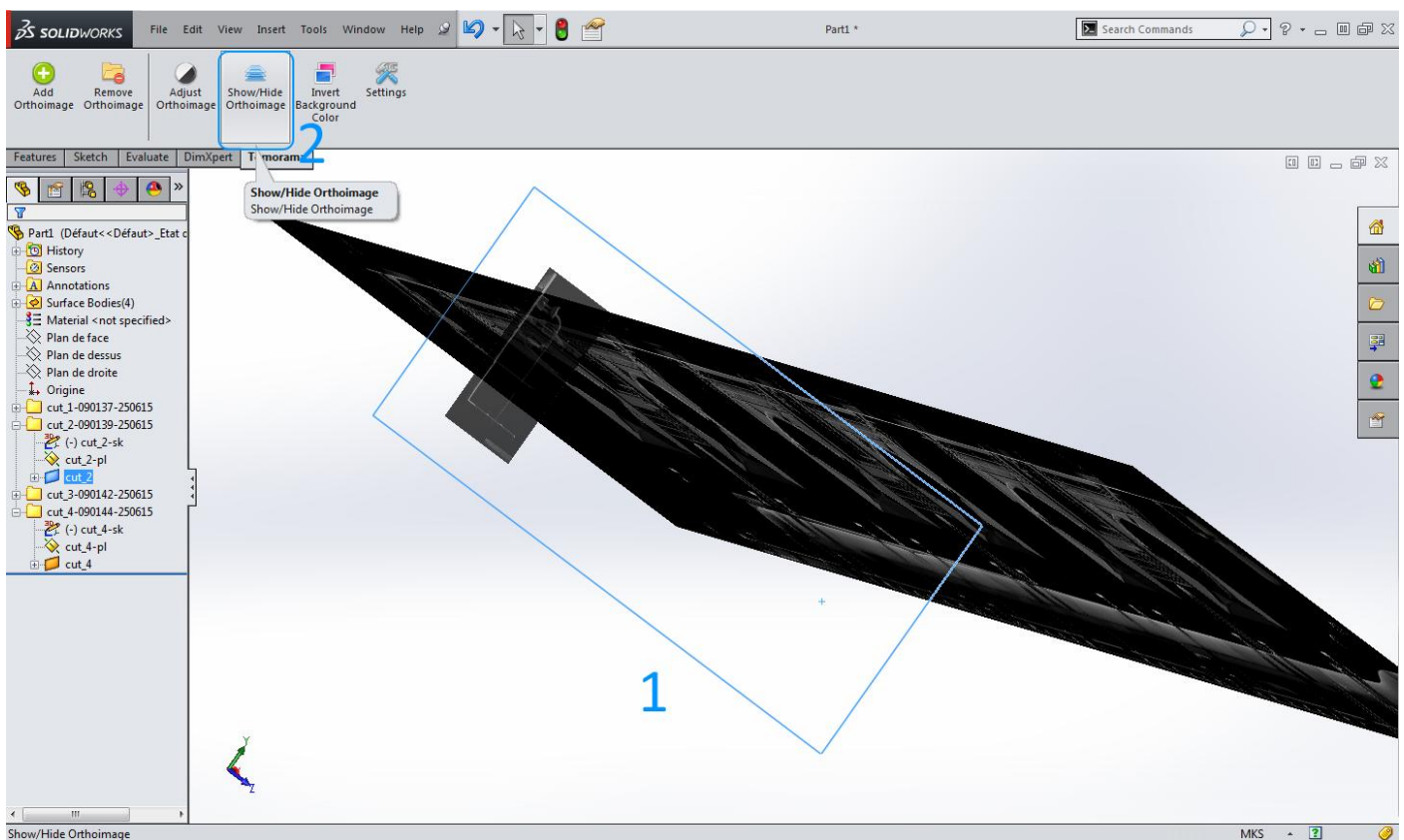
This feature allows you to show/hide completely merged orthoimage(s) or show/hide tiles of a tiled image within a specified radius.

Merged Image

Show or Hide selected decal(s). Geometry apparition depends of the related setting value in **Settings > Sketch and Geometry (3.6.4 – Display Components)**. When **Show / Hide Orthoimage** is pressed, selected decal(s) is displayed if hidden and hidden if displayed.

1 - Select your orthoimage(s)

2 - Click on **Show / Hide Orthoimage**



Remark(s)

All decals are selected by default.

Tiled Image

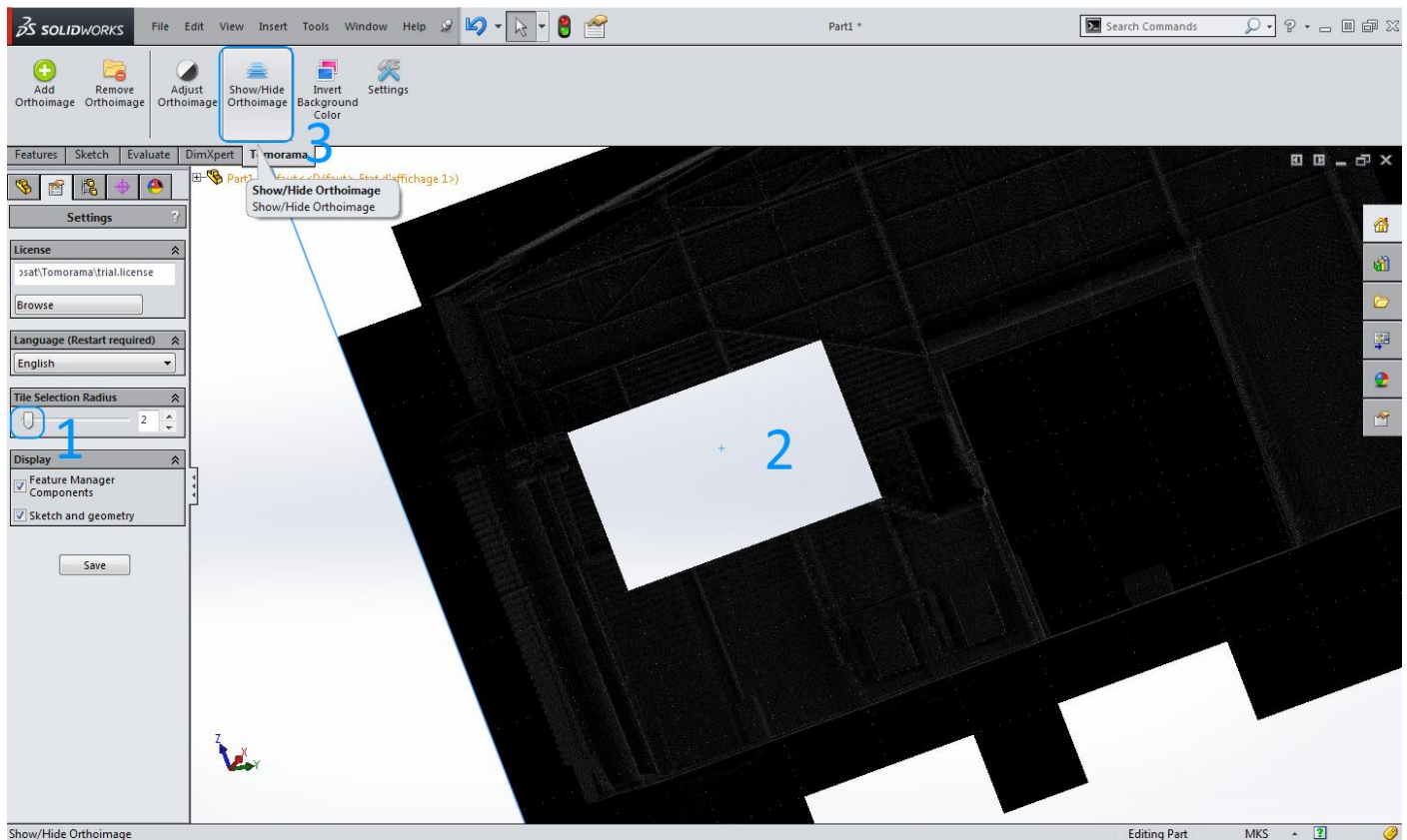
Show or Hide tiles of tiled orthoimage(s) within a defined radius.

1 - Adjust **Tile Selection Radius**

Refer to [3.6.3 - Tile Selection Radius](#) for further details

2 - Select your tiled orthoimage(s)

3 - Click on **Show / Hide Orthoimage**

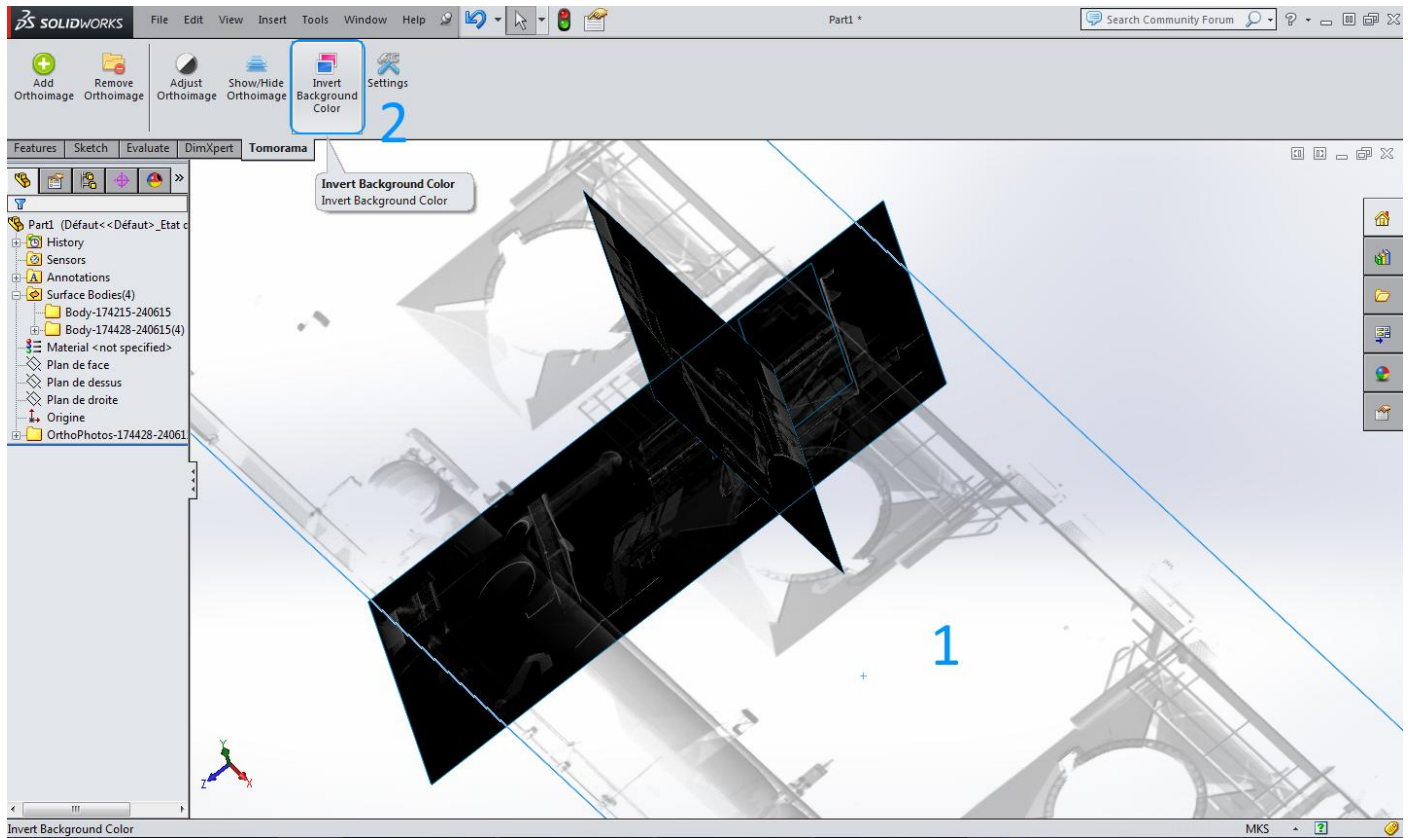


3.5 – Invert Background Color

Invert background color of the selected orthoimage(s).

1 - Select your orthoimage(s)

2 - Click on **Invert Background Color**



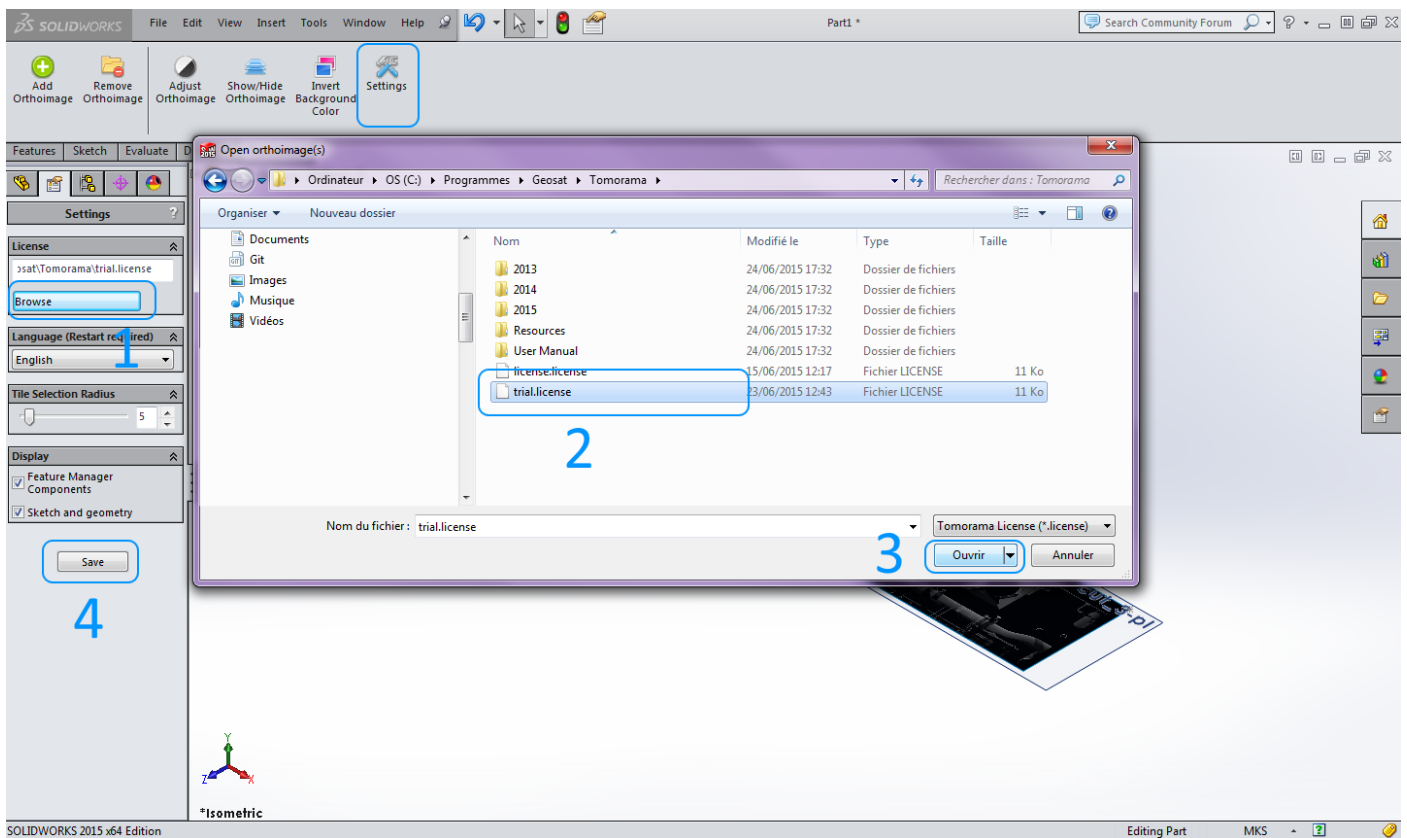
3.6 – Settings

The **Settings** page allows you to adjust **Tomorama** parameters.

You must click on the page **Save** button for these changes to take effect.

3.6.1 - License

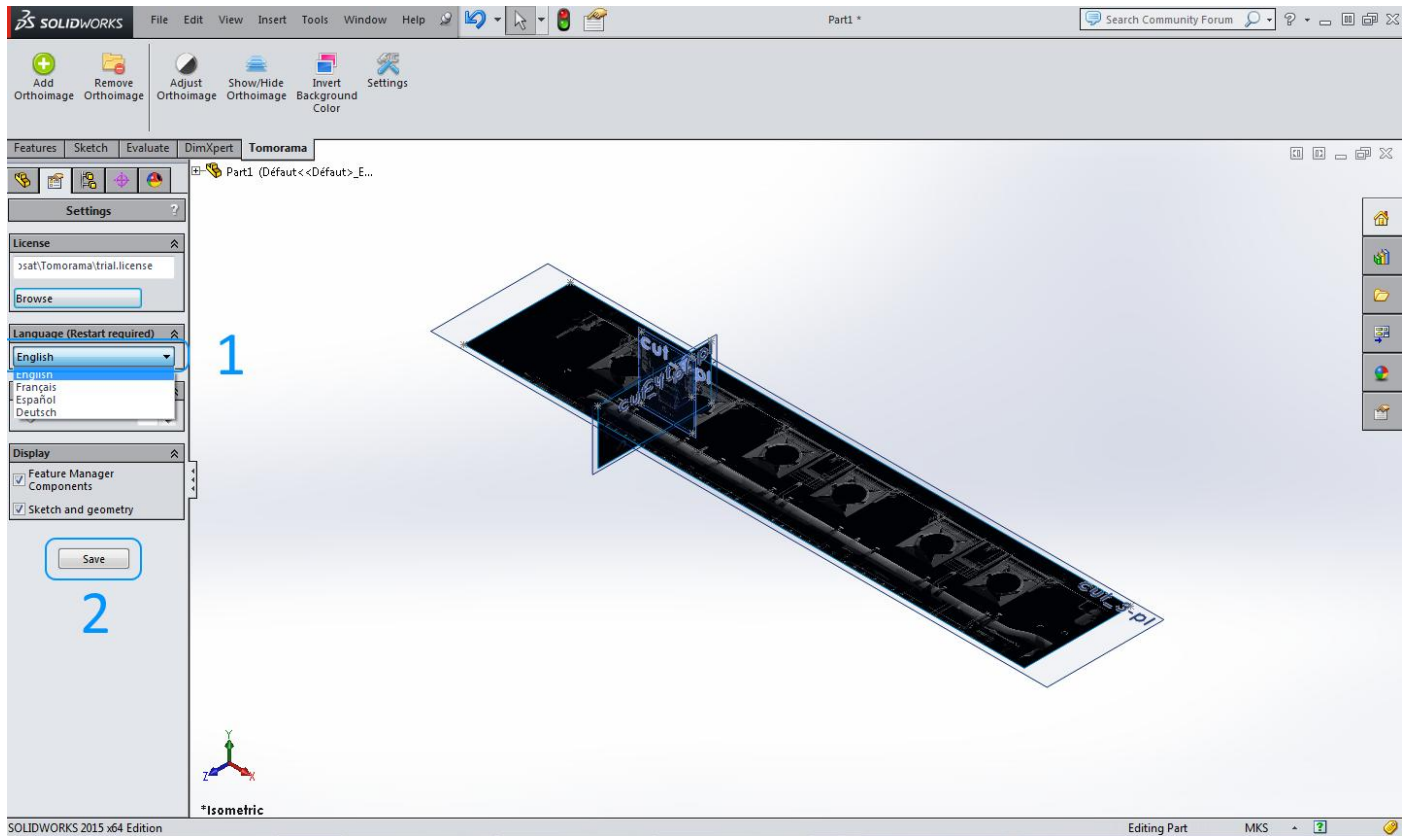
- 1 - Click on Browse button
- 2 - Choose your license file (default is trial.license)
- 3 - Open your Tomorama license file
- 4 - Save changes



3.6.2 - Language

Tomorama is translated into 4 languages: English, French, German and Spanish.

- 1 - Select your language
- 2 - Save changes
- 3 - Restart SOLIDWORKS or unload / load Tomorama from **Tools > Add-Ins** menu

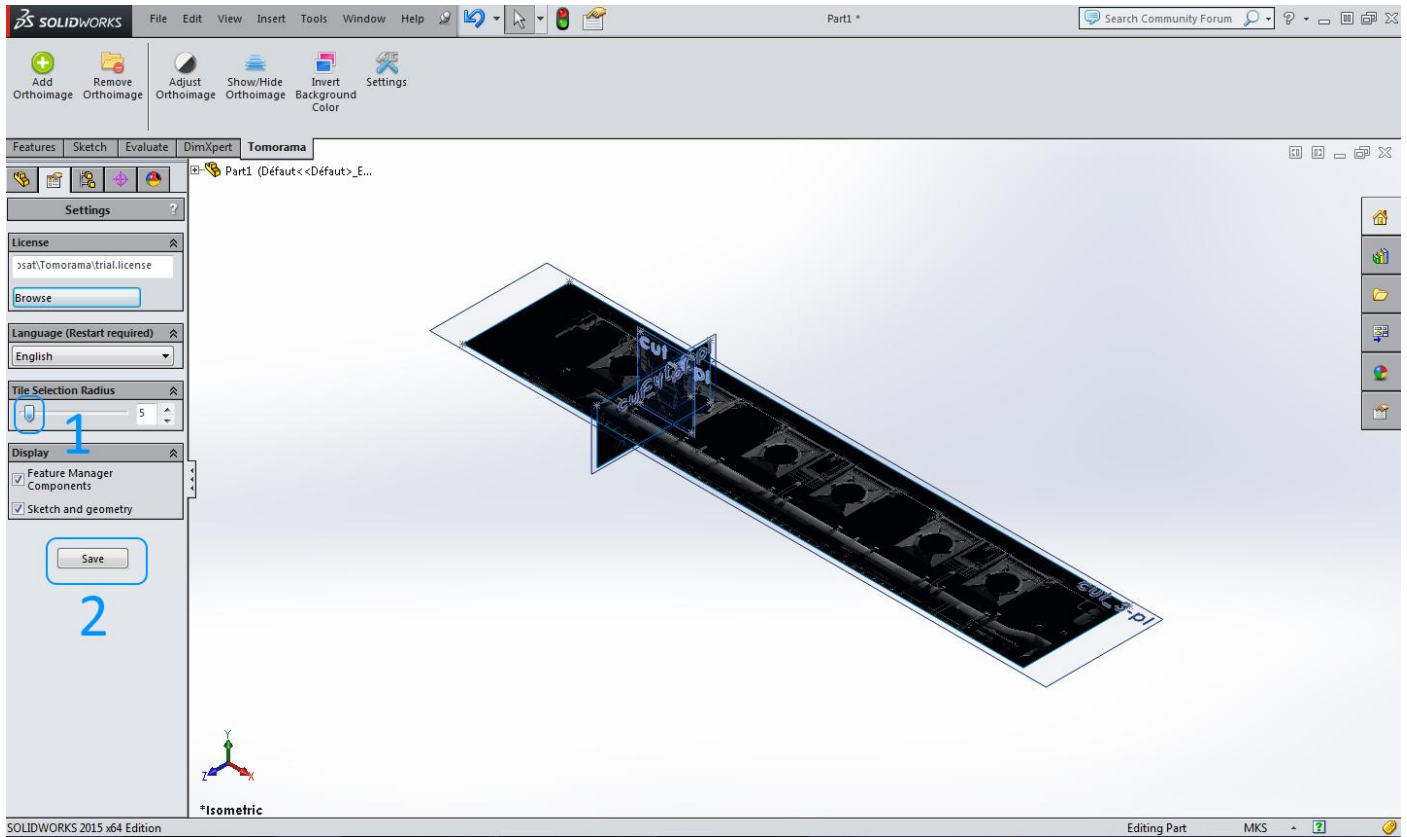


3.6.3 - Tile Selection Radius

Tile Selection Radius affect Show/Hide Orthoimage feature. A larger radius display more tiles.

1 - Adjust **Tile Selection Radius** according to your project scale

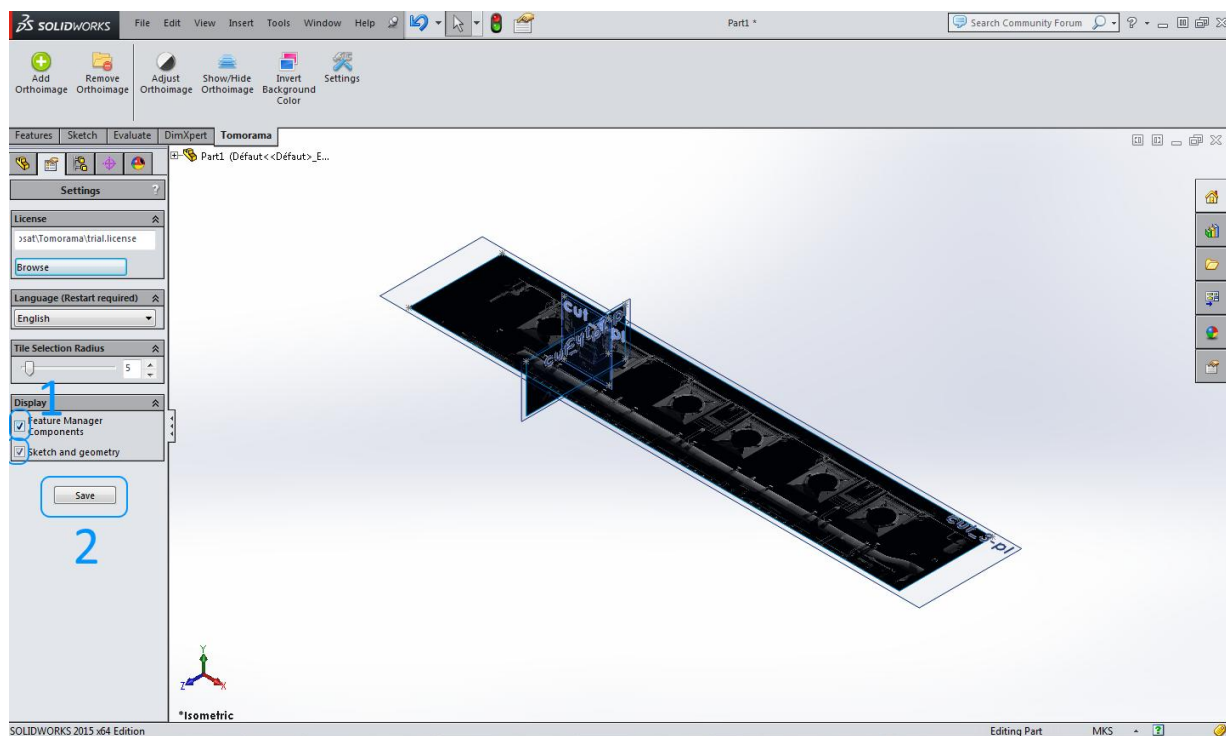
2 - Save changes



3.6.4 – Display Components

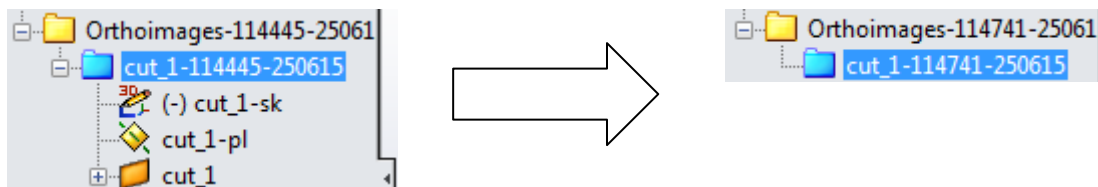
1 – Check / Uncheck display option

2 - Save changes



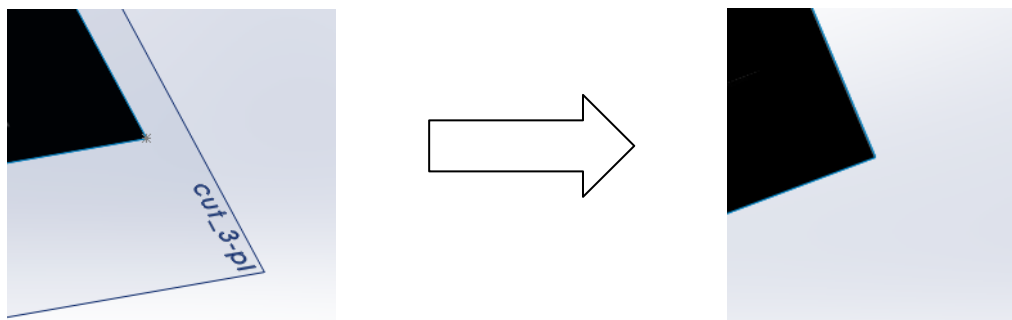
Feature Manager Components

Hide orthoimage related components in Feature Manager.



Sketch and geometry

Hide Sketch and Geometry of your part to draw more comfortably.



3.7 – About Tomorama – Hardware ID

About panel contains information about the developers / contributors of the project and the **Hardware ID** of your machine.

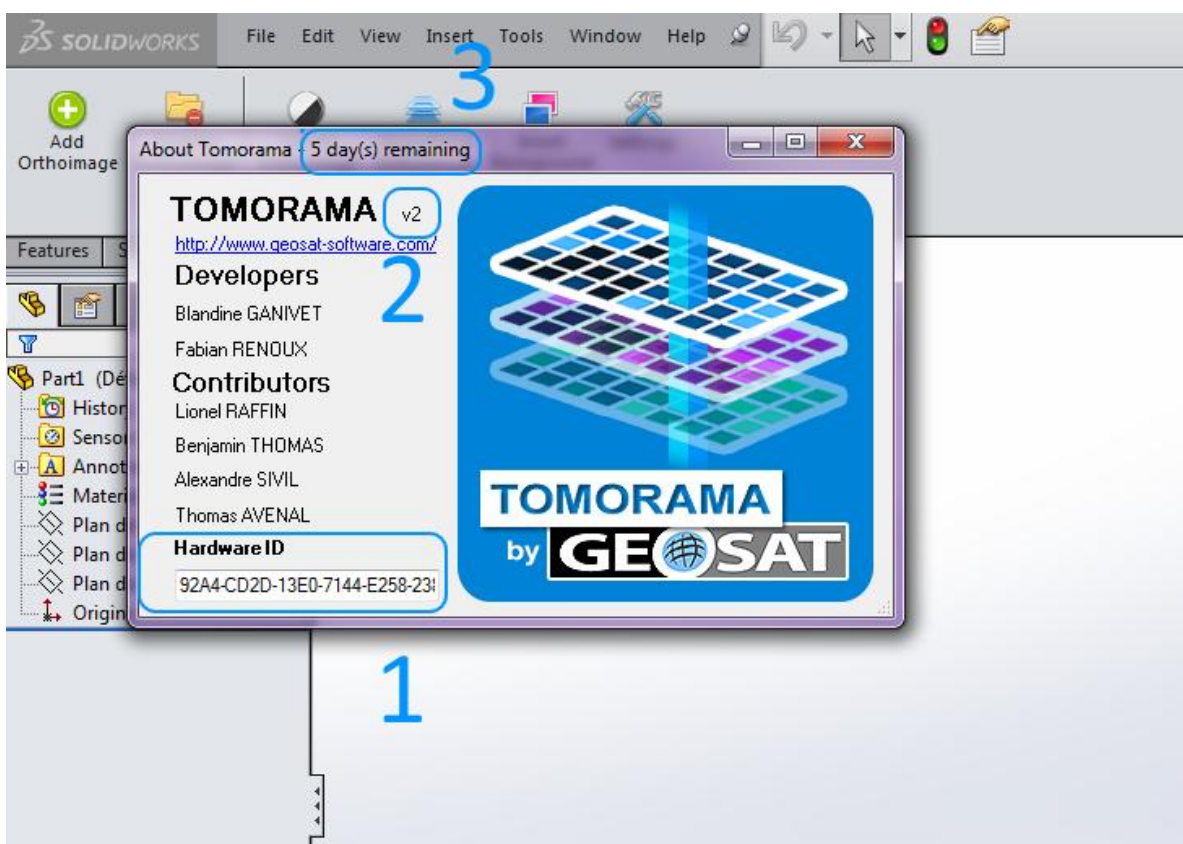
1 - Hardware ID (copy-pastable).

Hardware ID Format (Example): 92A4-CD9D-16E0-7174-E238-2386

Your Hardware ID is required to purchase **Tomorama** (One license per machine).

2 - Tomorama current version

3 - Evaluation mode remaining days



4 – License

4.1 - Trial

Default Tomorama package comes along with a pre-loaded trial license file.

The evaluation mode is activated for **7 days** after Tomorama first use.

No installation or configuration is required to run **Tomorama**.

4.2 – How to activate

Activation is a three steps process:

- You need to provide us with the machine **Hardware ID** you want to license.
Refer to **3.7 – About Tomorama – Hardware ID** to know how to retrieve it.
- Send us your **Hardware ID**; we will generate a license file locked on this ID.
- Activate your version of **Tomorama** with the license file we sent you.
Refer to section **3.6.1 - License** to know how to activate your purchased license in Tomorama.

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If you have any problem using our products, you can contact our Technical Support Team.

Support Hours (Monday through Friday)

8:30 a.m to 5:30 p.m (UTC + 1:00)

- **Mail**

support@geo-sat.fr

- **Phone**

+33 1 42 53 96 81 or +33 5 56 78 14 33

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