

# USER GUIDE

## AdiWatt-Design - Single slope

**ADIWATT**  
la photovoltaïque au service des entreprises

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**Welcome to AdiWatt Design,**  
a free photovoltaic design software developed by **AdiWatt**

Simple and intuitive, create your complete layout plans for all your photovoltaic module integration projects on flat roofs or single-slope roofs.

**How it works ?**

Find the address of your project, locate and draw the roof you want to equip. Fill in the required technical elements and the software does the rest.

**Several projects ?**

With your account, you have a database that allows you to store your information and manage multiple projects.

**Detailed results :**

A detailed report is sent to you :

- Layout plan
- AdiWatt packing list
- Quote
- Wind load calculation and ballast results

**ADIWATT DESIGN**

Welcome to AdiWatt-Design, pv calculator developed by AdiWatt.

**1** Log in or register if you do not have access yet. Be sure to enter a valid email address, an activation link will be sent to you. Once logged in, click on the «AdiWatt-Design» button on the home page to begin.

Accueil    AdiWatt-Design    Mon compte

**Se connecter**

Nom d'utilisateur  
AdiWattAdmin

Mot de passe

Mot de passe oublié ? [Connexion](#)

**Créer un compte**

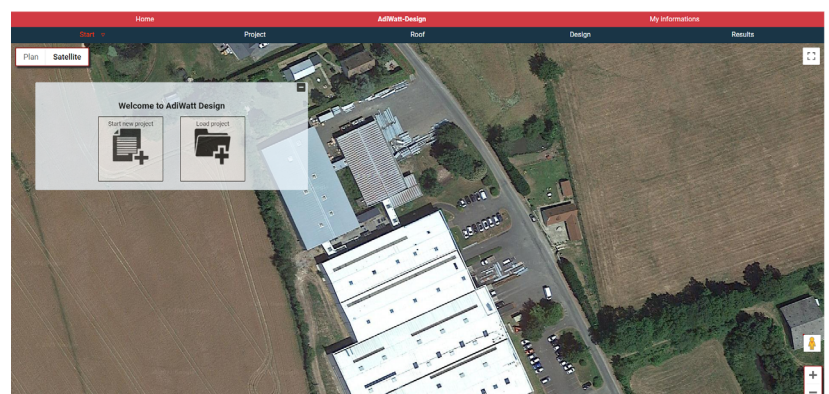
Nom d'utilisateur :  
AdiWattAdmin

Nom :  
Prénom :  
Nom de la société :  
Téléphone :  
Adresse mail :  
Confirmer l'adresse mail :  
Mot de passe :  
Confirmer le mot de passe :

Votre mot de passe doit faire au moins 8 caractères et doit contenir au moins une minuscule, une majuscule et un chiffre.

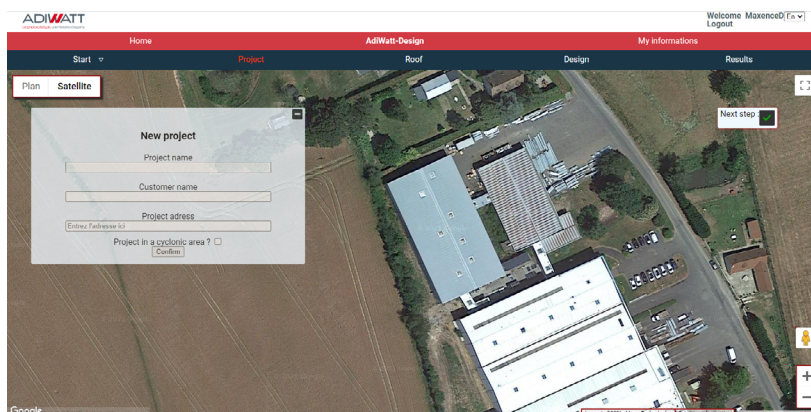
☐ J'ai pris connaissance des [conditions générales d'utilisation](#) du logiciel AdiWatt-Design.

**2** 2 options are available to you, take a project saved in your database to complete it, modify it... Or simply create a new project. Simply click on «Start a new project».



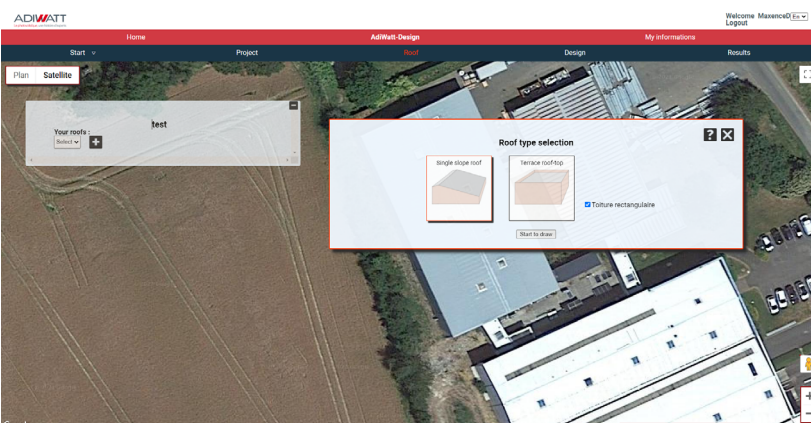
3

Fill in the fields on the right and fill in the address of the project. AdiWatt-Design works with Google Maps, this will allow you to work on the right roof. If your project is located in a hurricane zone, select «hurricane zone», this will induce the addition of material for the supply list. Validate and start the dimensioning.



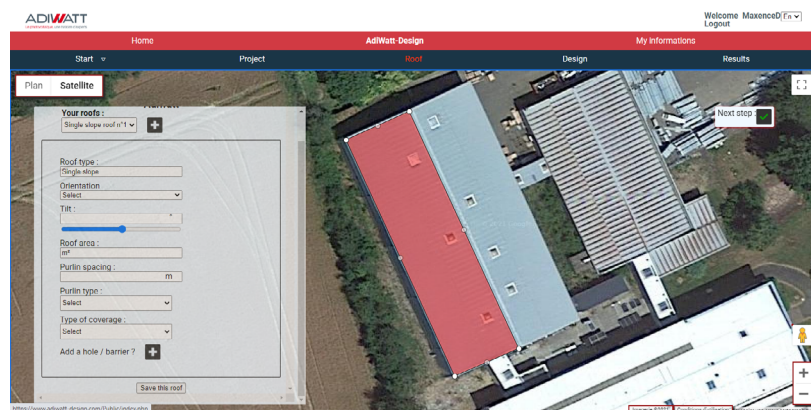
4

Click on the «+» button to open the roof type selection window. Choose the corresponding roof type and click on «start drawing». For a square or rectangular roof, check the appropriate box and proceed to step 8.



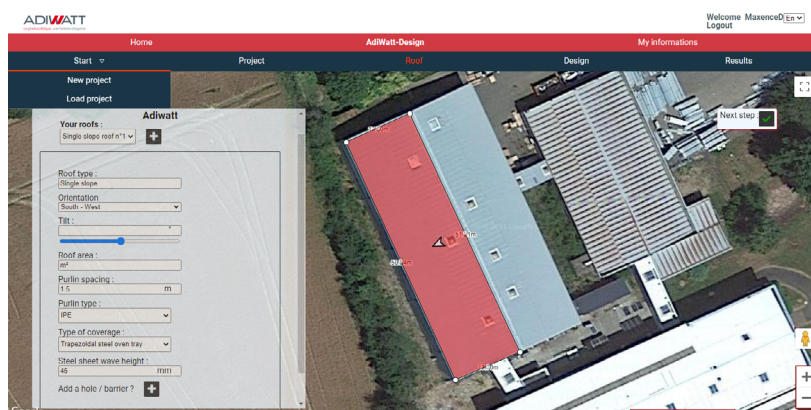
5

Now you need to draw your roof. Simply point your cursor at a point and click to draw the outline of your roof. When your roof is complete, it appears in red with the dimensions? You can change its configuration at any time by using the white resizing points.



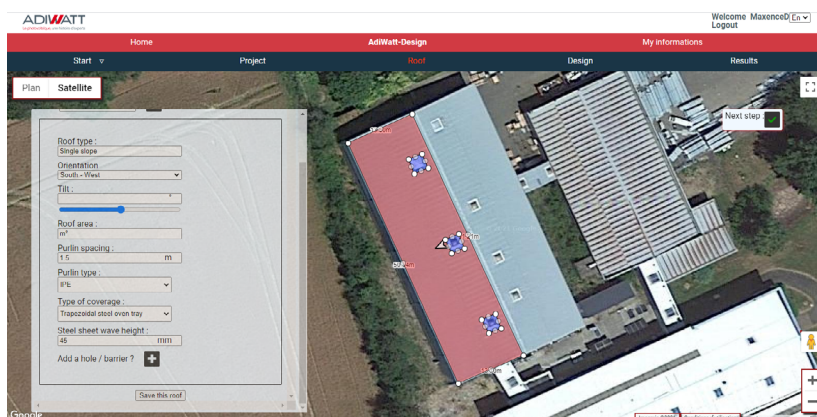
6

Now fill in the table on the left. It contains the information about your roof necessary to process the project. When selecting the orientation of your roof, make sure that the arrow points to the low point of your roof (low drip). Fill in all fields before proceeding to the next step.

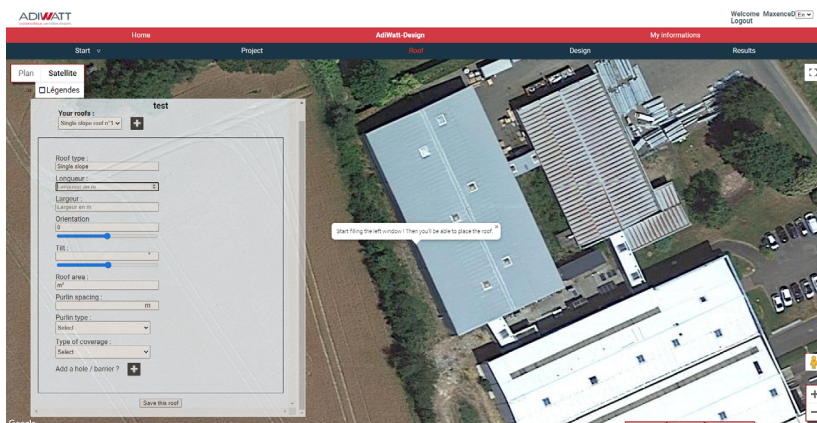




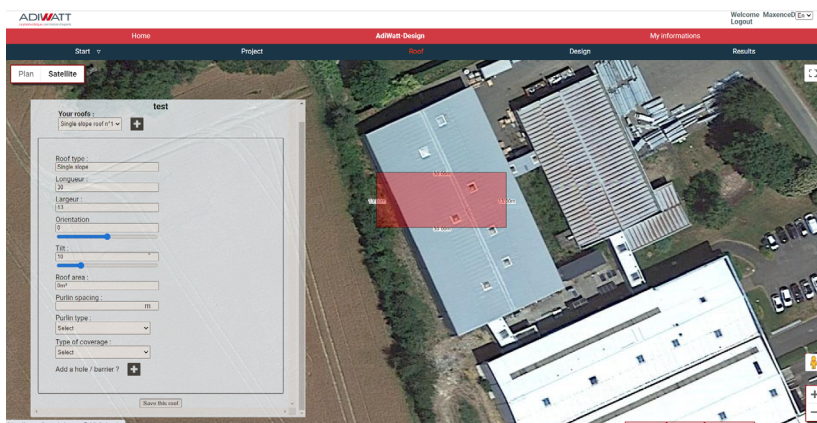
**7** If your roof has obstacles, you can draw them in a similar way to the roof. Click on the «+» button on the «Add hole/obstacle» line and draw your obstacles with the cursor. This step will avoid the installation of modules at these precise places during the configuration of the solar field. Once this step is done, remember to save the roof.



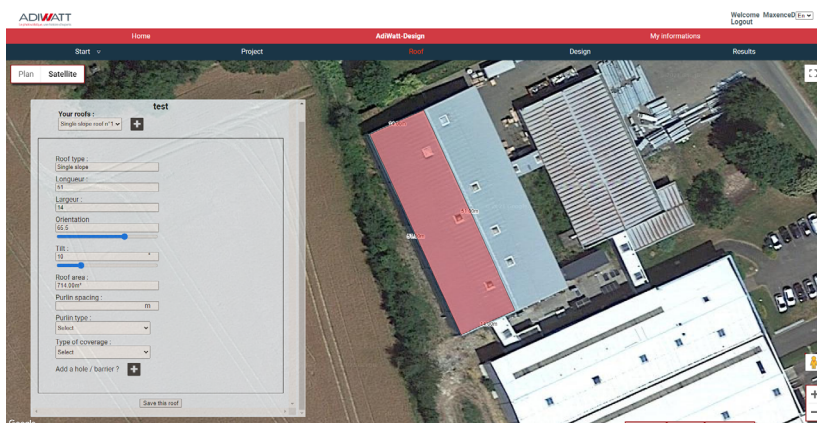
**8** In case you have selected the box «rectangular roof»: A window appears with the possibility to enter the length and width values of your roof.



**9** Start by filling in the values: **length, width and slope of your roof**. Once you have entered these three values, click on the map to display a rectangle with the chosen dimensions. As long as you don't click a second time, you can move the rectangle. Click to place the roof without worrying about the orientation.



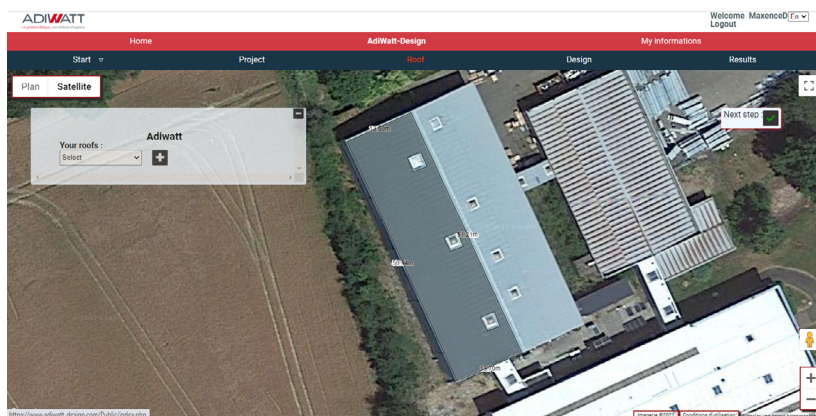
**10** With your roof in place on the map, use the «orientation» slider to rotate the roof. If the location is not suitable, click on the roof to move it again. You can change the length and width data at any time to adjust. Finally, fill in the other fields and save the roof.





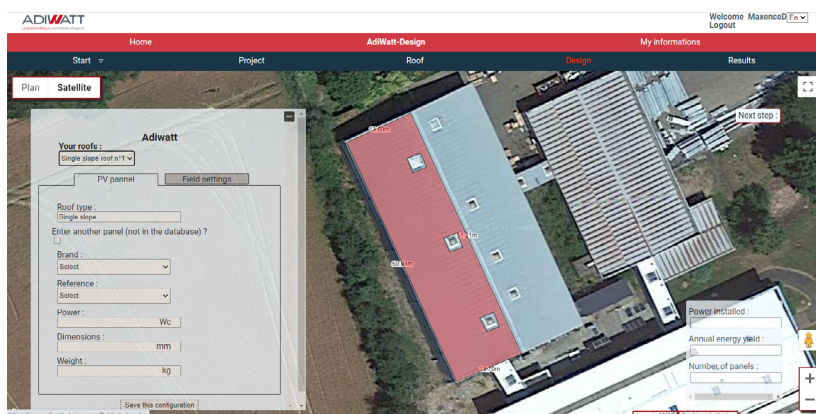
11

Once you have saved your roof, you can proceed to the next step by clicking on the button provided.



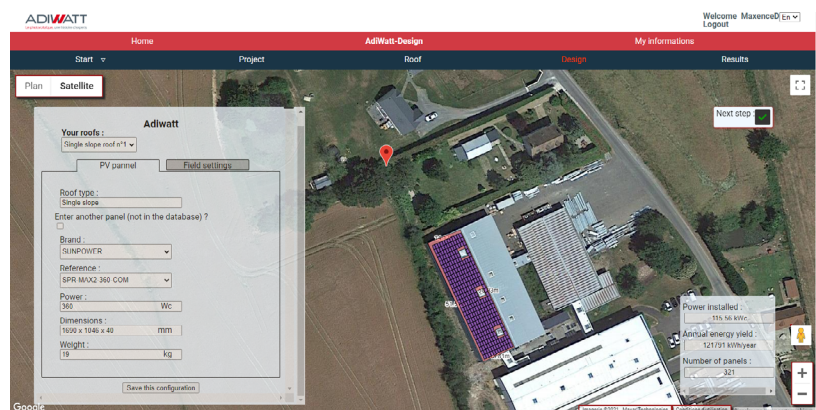
12

Select your roof to start the configuration of the photovoltaic field. Start by entering the module you want to install. You can select a model from the existing database or fill in a panel not in the database yourself. To do so, click on the box «fill in a panel manually» and fill in all the characteristics.



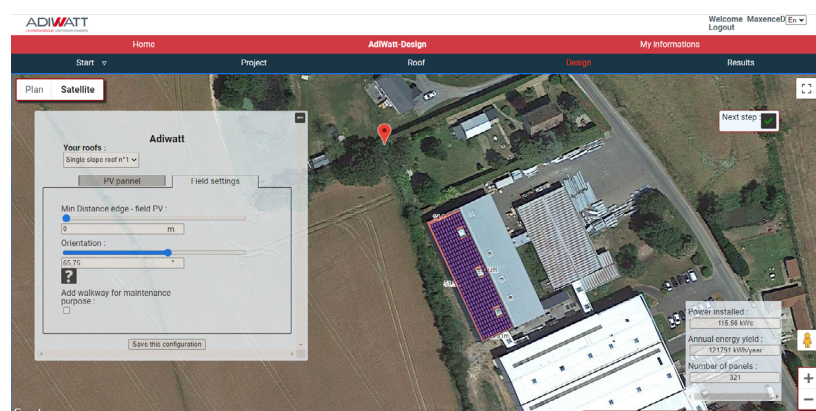
13

Once the module is selected, the software will arrange the panels by itself. You can change the orientation of the field by changing the «orientation» slider, use the arrows for more precision. **Caution: in the case of the Optima solution, your modules must be in landscape mode and follow the waves of your roof.**



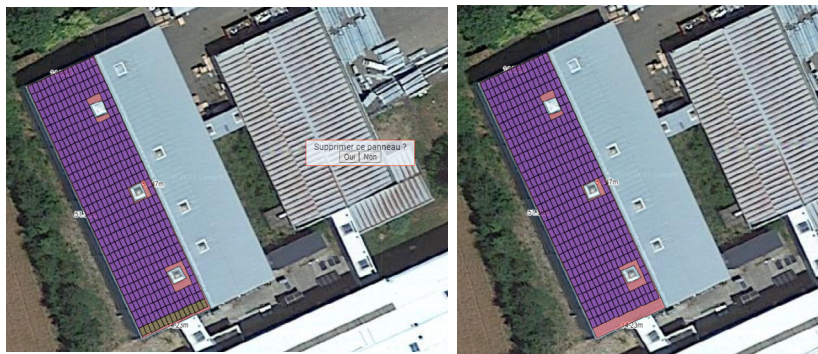
14

When you have set up your modules, you can consult in the box at the bottom right of the interface various data: installed power, yield and number of panels. This allows you to adjust according to your project.

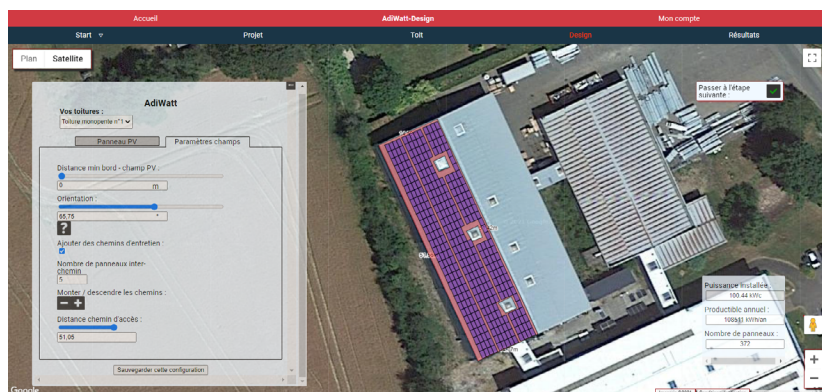




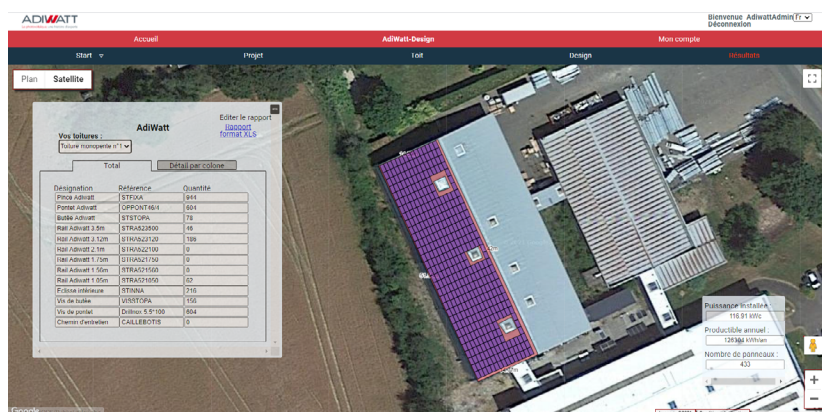
You can delete one or more panels by simply clicking on them and selecting «yes» in the window that appears. A simple CTRL+Z will allow you to cancel the action.



You can provide maintenance paths by checking the appropriate box. Choose the number of panels between each path and the location of a vertical access path. You can always change this information later.



Once you have finalized the configuration, move on to the next step, the results. On the software interface, select your roof and you will have access to the list of supplies for your project. To go further, you can edit the full report to access the information of your project and get a detailed quote. An Excel document, will give you the location of the material by column.



With this report in your possession, contact our sales department to make your project a reality!

# ADIWATT

La photovoltaïque, une histoire d'experts

## PV Design Report



In this report are reflected the different project information to sizing for photovoltaic installation you indicated on the software Adiwatt Design

*Choosing Adiwatt means benefiting from the expertise of a specialist in photovoltaics for over 10 years. Partner of major players in the energy and construction, Adiwatt integrates all stages of design, manufacturing and processing of steel to produce all its solar structures. This feature allows us to offer our customers innovative solutions and quality by choosing materials such as Magnelis® that provides corrosion protection.*

*Report published on : 22.03.21*

*Rapport de dimensionnement photovoltaïque 1/7*