

SPANer

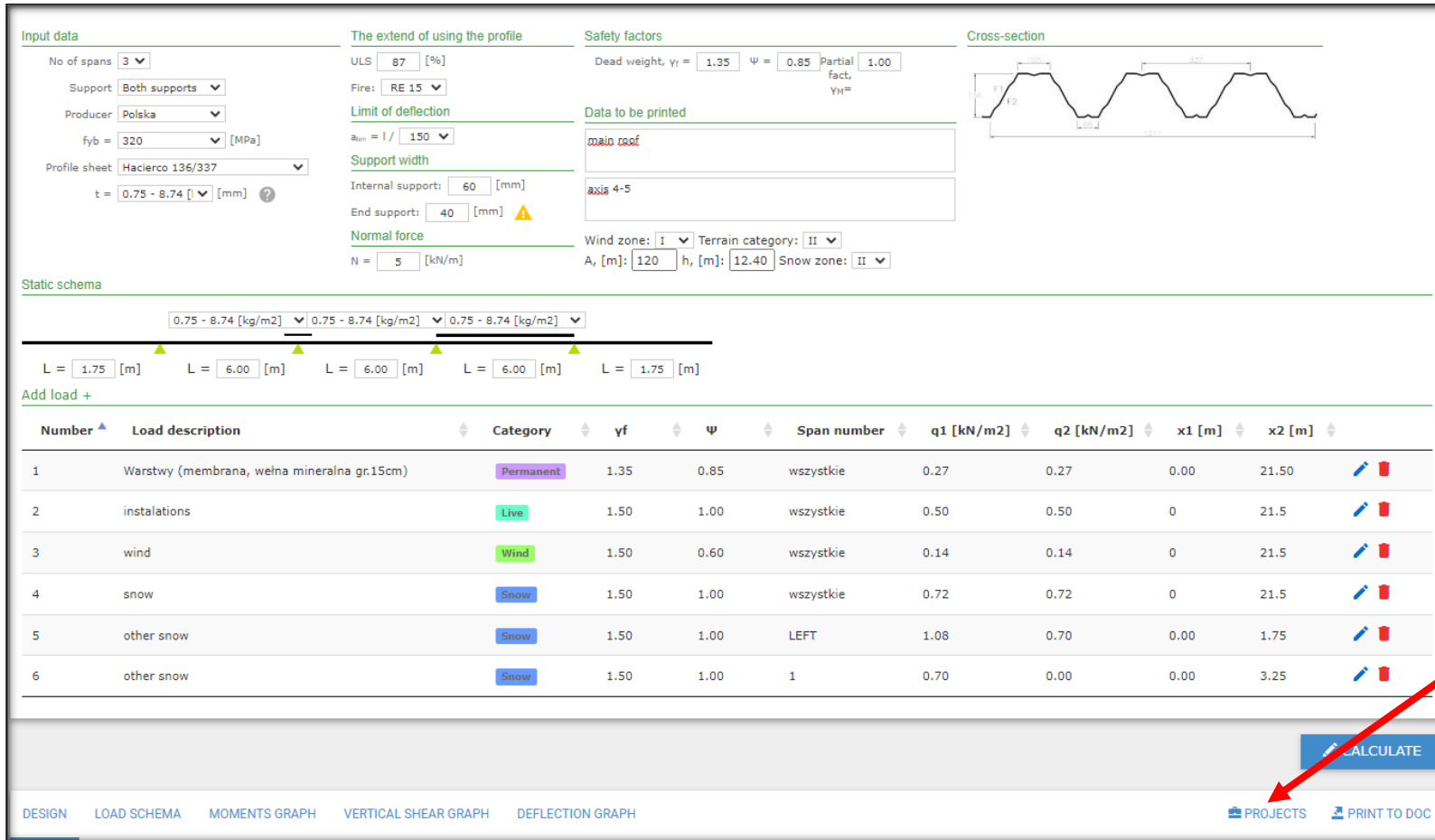
assistance in the selection of profiled sheets offered by
ArcelorMittal Construction.

Save the project

ArcelorMittal

SPANer – SAVE THE PROJECT

Once you have performed the calculations and obtained a satisfied result, it is worth thinking about setting up a project. This is not essential for generating a simple report, but if you want to create a report consisting of several calculation items it will certainly be helpful. It also allows the saved examples to be edited or duplicated at a later date.



The screenshot displays the SPANer software interface with the following sections:

- Input data:** No of spans (3), Support (Both supports), Producer (Polska), fyb (320 [MPa]), Profile sheet (Hacierco 136/337), t (0.75 - 8.74 [mm]).
- The extend of using the profile:** ULS (87 [%]), Fire (RE 15), Limit of deflection (a_{lim} = 1 / 150), Support width (Internal support: 60 [mm], End support: 40 [mm]), Normal force (N = 5 [kN/m]).
- Safety factors:** Dead weight, γ_f = 1.35, ψ = 0.85, Partial fact, γ_M = 1.00.
- Cross-section:** A diagram showing a three-span roof structure.
- Static schema:** A diagram showing the load distribution with spans L = 1.75 [m], L = 6.00 [m], L = 6.00 [m], L = 6.00 [m], L = 1.75 [m].
- Table of load descriptions:**

Number	Load description	Category	γ _f	ψ	Span number	q1 [kN/m ²]	q2 [kN/m ²]	x1 [m]	x2 [m]
1	Warstwy (membrana, wełna mineralna gr.15cm)	Permanent	1.35	0.85	wszystkie	0.27	0.27	0.00	21.50
2	instalations	Live	1.50	1.00	wszystkie	0.50	0.50	0	21.5
3	wind	Wind	1.50	0.60	wszystkie	0.14	0.14	0	21.5
4	snow	Snow	1.50	1.00	wszystkie	0.72	0.72	0	21.5
5	other snow	Snow	1.50	1.00	LEFT	1.08	0.70	0.00	1.75
6	other snow	Snow	1.50	1.00	1	0.70	0.00	0.00	3.25

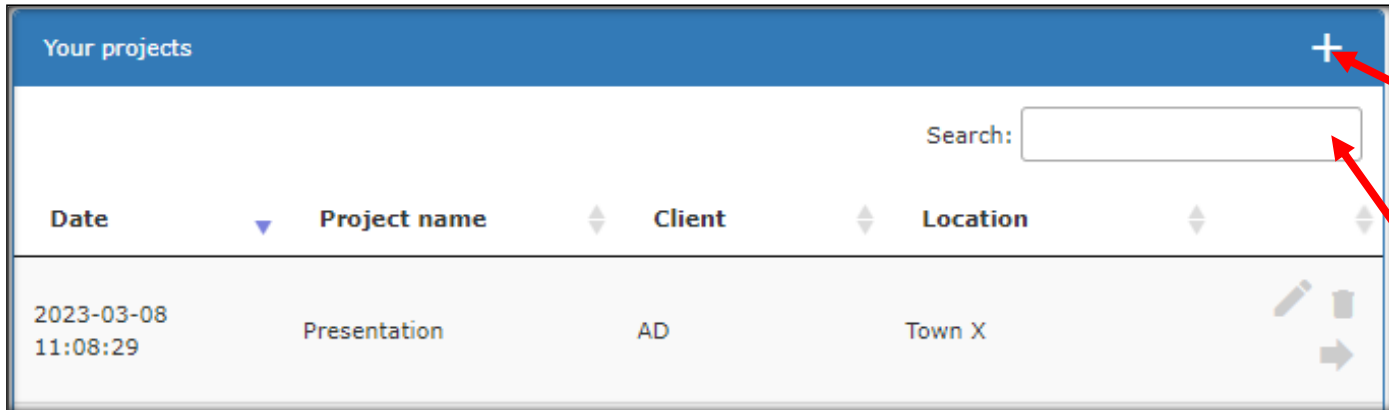
At the bottom of the interface, there is a navigation bar with buttons for DESIGN, LOAD SCHEMA, MOMENTS GRAPH, VERTICAL SHEAR GRAPH, DEFLECTION GRAPH, PROJECTS, and PRINT TO DOC. A red arrow points to the PROJECTS button.

This is where you can set up new projects and find previously saved projects.

SPANer – SAVE THE PROJECT

Creating a new project

Here we can find information about all previously saved projects.



Date	Project name	Client	Location
2023-03-08 11:08:29	Presentation	AD	Town X

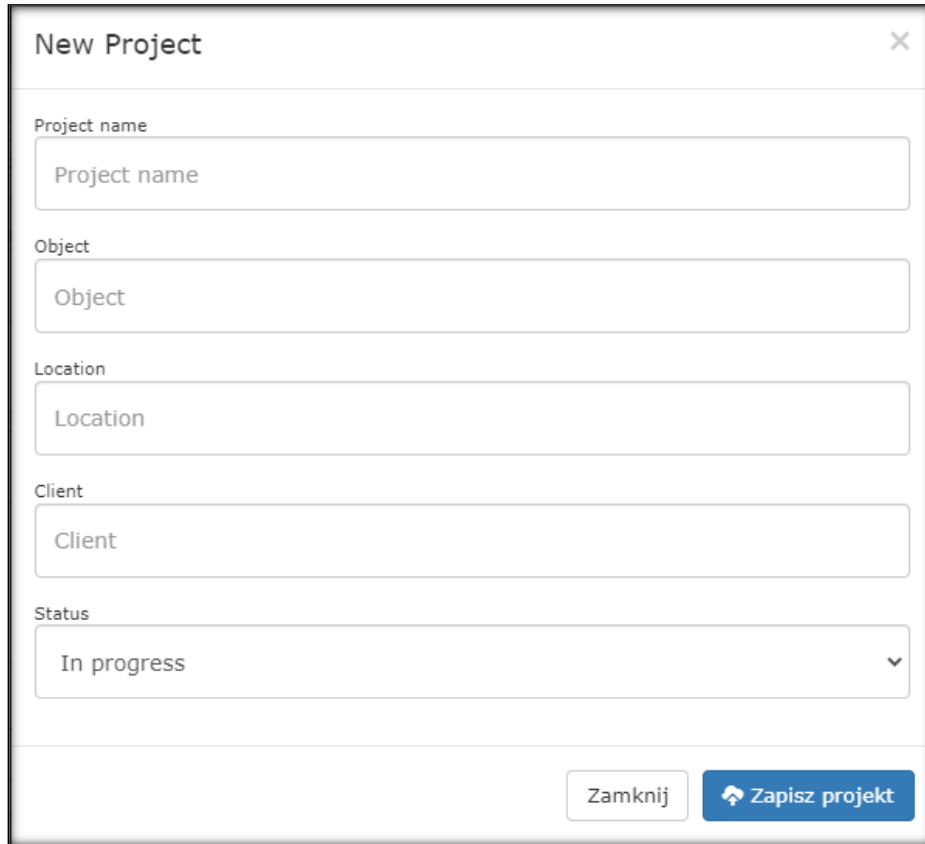
To set up a new project, press "+" and then fill in a few fields to facilitate later searches but also to pre-fill the report cover page

The "Search" field allows you to easily search through archived projects and locate exactly the one you are looking for. It is therefore advisable to fill in the data thoughtfully.



SPANer – SAVE THE PROJECT

Creating a new project



New Project [Close]

Project name
Project name

Object
Object

Location
Location

Client
Client

Status
In progress [Dropdown Arrow]













Zamknij [Save Project]

When creating a new project, several fields can be filled in, as well as the current status of the project. Some of them, such as "Object" and "Location", will automatically fill in the appropriate place in the title page of the generated report. Filling in more data easily avoids mistakes (especially when you want to return to a project after several months) and also makes searching or sorting more efficient. However, it is advisable to be sensible about the number of characters used; names that are too long can make it difficult to navigate through the project catalogue. Fortunately, it is possible to edit the entered information and restore the correct proportions in the catalogue.

SPANer – SAVE THE PROJECT

Creating a new project

The project catalogue automatically sorts the projects by placing the most recent/most recently edited at the top. In addition to the aforementioned possibility of searching for a project by keywords, there is also the possibility of sorting by one of the filled-in fields if, for example, we know the name of the location but are not sure what the whole project is called. As mentioned earlier, it is possible at any time to influence the name, location etc. as well as to delete projects.

Your projects +				
Search: <input type="text"/>				
Date ▼	Project name	Client	Location	
2023-03-08 11:08:29	Presentation	AD	Town X	  
2023-03-02 09:38:53	prezentacja 6	Klient ...	Miasto ...	  
2023-03-02 08:36:18	prezentacja 5	Klient ...	Warszawa ...	  
2023-02-20 12:19:44	prezentacja 2	Firma1	Miasto1	  

SPANer – SAVE THE PROJECT

Saving the calculations made

Now that the project has been set up, we can finally save our calculations. The order of the displayed positions is linked to the date it was saved/edited. The most recent calculations are listed last. As you can see, the name of the position is displayed here, which is why it is important to define it as precisely and unambiguously as possible at the calculation stage to facilitate later work, especially in more complex projects. Here too, however, it is possible to edit the name later. It is worth bearing in mind, however, that the save/edit date determines the order in which the items will be displayed in the subsequent report. Therefore, if you want to maintain a predetermined order and save yourself some work, it is a good idea to fill in certain positions correctly from the start.

By clicking on the arrow symbol, you enter the contents of a specific project.

When the + is pressed, the currently performed calculations will be saved in the project.

Your projects			
Date	Project name	Client	Location
2023-03-08 10:11:15	Presentation	AD	Town X
2023-03-02 09:38:53	prezentacja 6	Klient ...	Miasto ...
2023-03-02 08:36:18	prezentacja 5	Klient ...	Warszawa ...
2023-02-20 12:19:44	prezentacja 2	Firma1	Miasto1


Project positions 'Presentation'	
Date	Position name
2023-02-20 12:43:14	attyka
2023-02-20 14:35:06	Budynek wyższy
2023-03-02 10:15:15	Dach główny
2023-03-08 11:11:15	main r...

Pressing the pencil icon allows you to edit previously saved calculations. Note, however, that once calculated, the changes automatically overwrite the previous data.

By pressing the double-card symbol, we can duplicate a calculation item. It will appear at the very bottom of the list of calculations.

SPANer – SAVE THE PROJECT

Saving the calculations made

Further calculation positions no longer require such a long path, of course. Simply find the relevant established project (the latest/most recently edited will be at the top), enter it  and then "+" add our new calculation.

Because we can edit, duplicate or delete them at any time, we can easily update our documentation, make quick checks of new situations or find a truly optimal solution for the entire project.

For your own convenience and to save time, we recommend that you work out the most suitable scheme for yourself when naming projects or further calculation positions. Some of the completed information is automatically included in a later report. Others, as mentioned, make it easier to locate a project to which we want to return later, e.g. after a few months. Spending a little more time on proper naming of calculation positions (especially in the case of more complicated roofs) allows not only to find the right one in the list instead of creating new duplicate analyses, but also to generate a readable report without the need for subsequent editing.

SPANer – SAVE THE PROJECT

We encourage you to use our programme free of charge. Should you have any problems, our technical team will be happy to clarify any doubts.

We are constantly developing our software. We believe that the accessibility, intuitiveness, functionality and clarity of SPANer will make your work easier and enable you to make the best possible selection of the profiled sheets offered by ArcelorMittal Constuction.

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