

Project: your team, your topics

https://docs.google.com/spreadsheets/d/1rOpo4XUvnsMO0ddnnhDwgJoY_zVaBDXZi_EYL0t1tRg/edit?gid=0#gid

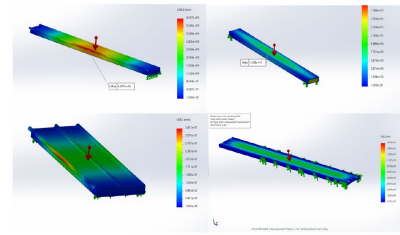


FIGURE 7 – Examples of structural simulations done during the iterative process to design the roof panels

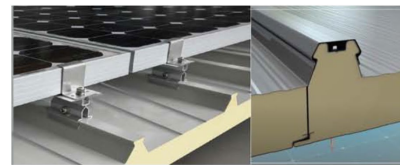
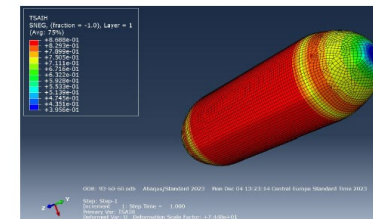
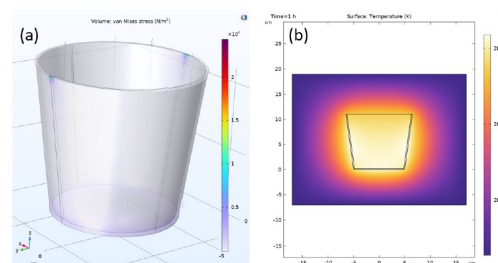


FIGURE 8 – Example of a solar panel attachment system on an insulated roof panel existing on the market



(c) (90/60/-60) orientation



Roof panels
Oxygen bottles
e-scooter
Biodegradable flower pots
Battery tray
Chicken feathers
composite longboard
Artificial skins
Vegan microfiber balls

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Team work
Materials
Design
Value proposition
Manufacturing
Cost
Sustainability
Report
Presentation

isa 180925				Teams	Names
71/71	Name First Name	Sciper	Section		
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3	Berchtold Ludovic	363629	MX		3 Bréas Davide Raphaël
4	Bertrand Alexis Walter	345322	MX		4 Cazzulani Federico
5	Bisetti Lucas Dino	345160	GM		5 Pierre-Arnaud Vals
6	Bréas Davide Raphaël	344476	MX		6 Pin-Ying Chen
7	Breugnot Tom Didier Yves	361538	MX	Team 2	7 Ludovic Berchtold
8	Carandang Gian-Angelo	296735	GM		8 Diane Meslin
9	Cavin Marie Anna Martha Jean	346001	GM		9 Roman Rechsteiner
10	Cavoret Martin Noël Claude	329148	GM		10 Sarah Naili
11	Cazzulani Federico	386924	GM		11 Loris Dubi
12	Chalhoub Marc-Antonio	340428	GM		12 Thomas Sancenot
13	Chen Ko-Yu	419062	CGC_ECH	Team 3	13 Vivek Agasthya
14	Chen Pin-Ying	395229	MX		14 Yasar Sude
15	Cuvillon Rose Alice	361770	MX		15 Lee Jeanne
16	Debrot Nicolas	329951	GM		16 Nagy Orsi
17	Douarhe Victoria Alizée	361916	MX		17 Orkun Özyurt
18	Dubi Loris	362613	MX		18 Vincente Galdini
19	Ducommun Léandre	326851	MX	Team 4	19 Martin Kelles
20	Dupille Charles Rémy Marie Max	347080	GM		20 Hugo Subtil
21	Eggen Nathan	347058	GM		21 Nicolas Debrot
22	Filippo Andrea Saverio	341036	MX		22 Romain Lattion
23	Fotius Antoine Georges Henri	394196	MX		23 Frederik Kaiser
24	Freytag Julius Gideon John	417744	MX_ECH		24
25	Galdini Vincente Annibale	302002	GM	Team 5	25 Rose Cuvillon
26	Givry Gabriel	341068	GM		26 Martin Cavoret
27	Gnamus Jan	388105	ING_PHYS		27 Thomas Menadi
28	Goutal Lea Soraya	406443	MX		28 Victoria Douarhe
29	Gouttenoire Quentin Christian J	346918	GM		29 Louise Holland
30	Greffe Florent Xavier Marie	344833	MX		30 Vincent Vos
31	Greulich Eric	346411	MX	Team 6	31 Petrov Viktor
32	Grillet-Aubert Rémy Thibault Jos	361138	MX		32 Givry Gabriel
33	Holland Louise Héléne	415566	GM_ECH		33
34	Ivanoff Valentine Léonor	345249	MX		34
35	Jonquet Hugo Etienne	326689	MX		35
36	Kelles Martin Jacques Jean	312294	MX		36
37	Kieffer Camille Marie	340653	MX	Team 7	37 Daniele Palombi
38	Kruzic Natacha Helena Victoria	325854	MX		38 Lea Goutal
39	Kühni Cyran Olivier	341623	GM		39 Alessandro Mito
40	Kuntze Thomas Roland Pierre	363387	GM		40 Alexis Bertrand
41	Lasserre Emilie Charlotte	362484	MX		41 Elias Baïada
42	Lattion Romain	347395	GM		42 Rémy Grillet-Aubert

Course outline 2025

09.09.2025	Introduction to course and learning objectives, group project, constituents	peb/vm
16.09.2025	Composites Applications and background on composite processing	vm/mw
23.09.2025	Background on composite mechanics	peb
30.09.2025	Sandwich structures and textile composites	peb
07.10.2025	Structural design/joining with composites	cb
14.10.2025	Projects follow-up session I	peb/vm/mw
21.10.2025		vacation
28.10.2025	Smart composites	vm
04.11.2025	Composites for biomed and sport	peb
11.11.2025	Cost modelling - a tool for sustainable innovation	mw/vm
18.11.2025	Towards sustainable composites	mw
25.11.2025	Projects follow-up session II	peb/vm/mw
02.12.2025	Student project week	
09.12.2025	Student project presentations	peb/vm/mw
16.12.2025	Student project presentations and exam	peb/vm/mw