/CL¡FF-HANGER/

ENG-A1002 - ARTS-ENG Project
Group 8 28.5.2019
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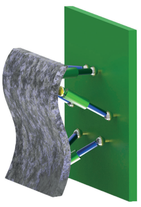
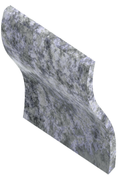


shapeshifting climbing wall

The /CL¡FFHANGER/ project is a revolutionary solution for the climbing-wall industry. By applicating the Stewart-Gough platform technology we have found a new way of constructing an adjustable climbing wall that can be moved freely in the six degrees of freedom.



Our approach to this project was to utilize the mentioned technology to create something that could be realized in real life. After several ideas we ended up with the /CL¡FFHANGER/ climbing wall.

The main idea of the climbing wall is that one can *adjust the angle and path* at the discretion of the user, to obtain an optimal challenge for climbers of different experience using one single wall. The technology behind the solution is realized by attaching a *bendable surface* to a firm structure using six hydraulic legs and ball-and-socket joints. Apart from the angle and form of the wall, the positions of handles can be arranged freely.

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