Introduction

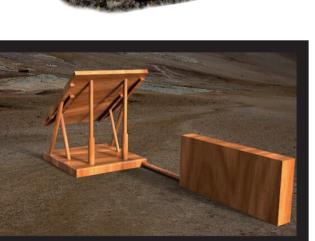
Our goal was to make a spatial structure modifying the SGP. At first all groups made the original 6-sticksand-2-grids-platform, whose idea was to make a lightweight structure very stable in every dimension. After that, we replaced two of the sticks with hydraulic cylinders (syringes).

> Our structure represents a solar panel. It can be adjusted to follow the movement of the sun to make it work as efficient as possible. We solved this problem/opportunity using a simple physical phenomenom. The cylinders are attached to a tube and by filling the cylinders and the tube with hydraulic fluid, it is possible to change the cylinders length which eventually changes the spatial location of the panel.

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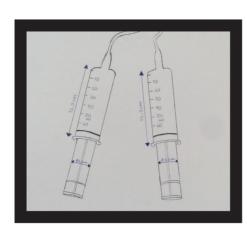
Group 15 Klaus Sorsa, KRJ Lotta Sirkemaa, RYM Eelis Lokka, KJR Juho Haapamäki, ENY Alvari Seppänen, KJR





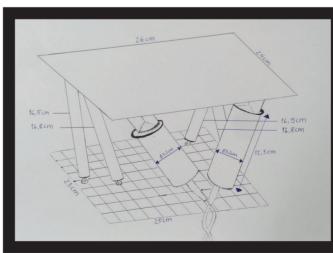
3D-model of the Solaris





Hydraulic system enables angular movement of the panel.

Solaris is a pavilion that has an **adjustable solar panel** as a roof.



Scale of the model is 1:13

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