DRINK STABILIZER

ENG-A1002 - ARTS-ENG Project
22.05.2019
Group 27
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CONCEPT

The concept of the group work is a device that has a stabilized platform which keeps drinks and bottles upright in ship restaurant tables in rough seas.

PROTOTYPE

Our prototype is a concept model which demonstrates the principles of the Stewart-Gough-platform and the use of hydraulic actuation. The SGP allows movement in three dimensions and rotation around three axis, which provides vast amount of postures to stabilize the top platform.

OPERATION

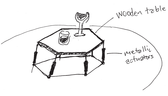
The device is operated automatically. It uses a position sensor which reacts to the changes in the angle of the base. When the ship heaves in the waves and the base tilts accordingly, the sensors deliver that information to the controller which adjusts the length of the legs to keep the platform in horizontal position.

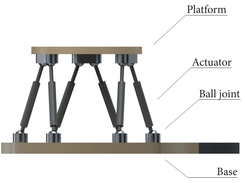
CUSTOMERS

The Drink Stabilizer is a suitable product for cruise line companies and boat owners. It is an excellent way of keeping your drinks from spilling while cruising along the waves.

MATERIALS

The Drink Stabilizer is made of a wooden platform, metallic actuators and steel ball-joints.





Älkää laittako tähän mitään, varattu ruskealle skissipaperille!

Älkää laittako tähän mitään, varattu lopulliselle pienoismallille!

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