

news ecoCORK

Vilnius Gediminas Technical University has experience in projects under the Erasmus+, Horizon2020, Marie-Curie and other EU funded programs. It has strong experience. Dean of Aviation Institute has been awarded Quality of the Year award by National Agency of Lithuania.

Antanas Gustaitis' Aviation Institute is licensed by the Transport Competence Agency. There is an Aviation Training Center in Vilnius Technical University. Pilot training is carried out in this center by using an airfield and flight simulators.

LTT-4 event was held between 3 and 7 Oct. in Vilnius, Lithuania. Students from all the partners met the Antanas Gustaitis' Aviation Institute at Vilnius Gediminas Technical University.

The students visited the facilities in the Antanas Gustaitis' Aviation Institute. This center provides great opportunities for the students. Some of the facilities are:

- Airfield
- Aircraft Fleet
- Flight Simulators
- Aviation Laboratories

During the training event at Vilnius, the students learned about aircraft components, manufacturing of components and cork based products in aircraft parts.



CORK in Aircraft Structures!



Because cork is an eco-friendly and natural material, cork based products are good candidates for sustainable aviation. Thermal and acoustic isolating properties of cork provide good opportunities in design of structural products for aircraft. In most cases, cork panels are manufactured in sandwich-like designs. Cork panels are used as the core material in sandwich structures to increase the stiffness. Various facesheets can be integrated with cork cores. Aluminum, carbon fiber based plates or any other sheets can be coupled with cork cores.

Cork products are suggested for interior design of aircraft. Moreover, some applications are about replacing metallic parts in wings such as spars or ribs with cork based sandwiches.

