

news ecoCORK



LTT-5 event was held between 27 February and 3 March in Eskişehir, Türkiye.

Students visited some aviation centers during the student training program. These centers are;

- Vecihi Hürkuş Aviation and Technology Park
- MSÖ Air & Space Museum
- Turkish Aeronautical Association (THK) İnönü Campus

They had amusing times while learning about cork.

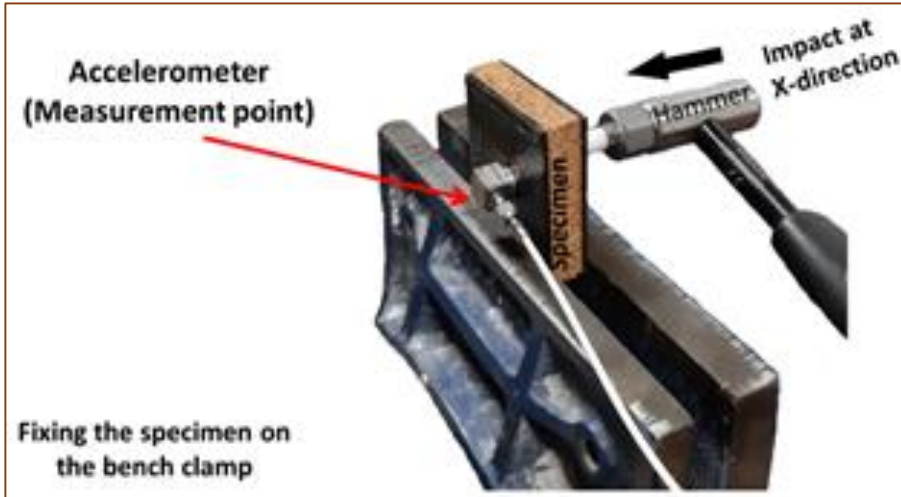
Eskişehir Osmangazi University (ESOGU) has a background in the aerospace industry since there are several projects conducted in collaboration with major aerospace companies. Moreover, the National Aviation Cluster (ESAC) has members from ESOGU staff who take active roles in this sector. In 2019, TAI demanded a prospective human source from ESOGU and thus, ESOGU applied for the Council of Higher Education (YÖK) and a new engineering department, Department of Aeronautical Engineering, was founded in 2019.



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CORK for vibration isolation in aerospace !



Cork is good at vibration isolation. For this reason, cork products are used in aerospace applications to suppress vibration loading during flights.

Students in LTT-5 introduced to vibration testing of cork composites to find out natural frequency and damping ratio of the materials.

Cork is a natural product obtained from oak forests. Because of its naturality, cork based products provide eco-friendly and sustainable solutions in engineering. In space shuttles, exhaust nozzles are covered with cork sheets to protect base metallic alloys of nozzles. During the flights, cork is subjected to ablation by exhaust gases and thereby sacrificing for protection of nozzles.

