

TCS

Technical Classes Simulator

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TCS it is a simulator for technical classes in virtual reality providing knowledge of the installation of the central unit and the basis of electrics in a simple and user-friendly way. Our main assumption is to enable people who do not have access to appropriate equipment to acquire new competences in a safe manner without risk to life or health, and we wanted to reduce the costs necessary to acquire the skills contained in our simulator as much as possible.

Computer assembly simulator. When using the simulator, we are able to acquire the necessary knowledge in assembling a working computer, such as: the location of individual components of the central unit, information on the parameters of individual components and their compatibility with others.

The High Voltage Laboratory allows you to master and understand the test of the electrical strength of air and the electrical strength of oil, or allows the user to check the principle of operation of the lightning rod.



In the future, we plan to develop our project with new modules related to other technical faculties (e.g. mechatronics technician) to make it easier for other target groups to acquire new competences.

Required equipment. It is so simple to use that everyone can do it. The purchase of our device is cheap since most of us probably have a PC and a Smartphone, so the only cost is the VR goggles and Leap Motion sensor.

