

Worlddidac Members' contribution to EdTech and Tech solution in Africa



AR simulator for a safe and reliable training of welding techniques

Welding is extremely important for our lives: **70% of all manufactured products are made with the skills of welders.** Welding is an essential component of many industries (construction, automotive, railway, etc.).

Seabery has designed a solution fully adapted to the actual welding training requirements and to the context of African markets, which is an **Affordable Welding Training Simulator** based on Augmented Reality (AR), allowing to attract and train welders faster, without risks, without consumption of materials and consumables resulting in an important reduction of the impact to the environment.

Thanks to the latest AR technology, trainees can interact physically with real components such as welding coupons and welding torches, mixing the virtual elements with the real environment and allowing the most realistic welding training experience, unlike Virtual Reality technology that replaces everything into virtual objects, losing the physical connection to the workplace and. The level of accuracy provided by AR is key; welding is a very serious skill and must be trained with the most sophisticated technology.

Welding training, digitalization, industry 4.0, simulation, vocational education, VET 4.0, green solution, cost reduction, VET modernization, Affordable, Africa

