

Healthy Workplaces Campaign 2023–2025 'Safe and healthy work in the digital age' ONLINE GATHERING

Media partner round table – Presentation of good practices





Online, 17 October 2023



Media partner BOZPinfo.cz and social networks





Portal OHS Occupational Safety Research Institute (OSRI) - BOZPinfo.cz

European Agency for Safety and Health



Czech Focal Point Ministry of Labour and Social Affairs (MoLSA) - ceskyfocalpoint.cz

Výzkumný ústav bezpečnosti práce

Nová kampaň Zdravé pracoviště je za dveřmi!

Nejnovější kampaň, tentokrát zaměřenou na bezpečnou a zdravou práci v digitálním věku, zahájí evropský komisař pro pracovní místa a sociální práva Nicolas Schmit na akci pro zástupce tisku pořádané v Bruselu během Evropského týdne bezpečnosti a ochrany zdraví při práci, který proběhne od 23. do 27. října.

#.... Zobrazit víc

Bezpečná a zdravá práce v digitálním věku

Zajištění přístupu zaměřeného na člověka při řízení digitálních technologií na pracovišti



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Social networks OSRI



https://healthy-workplaces.eu

Examples of OSH education for schools





Puzzle Don't destroy your body!







Quiz for the 2nd grade of elementary school



Cubes for the little ones How to properly carry loads



OSH training in VR – good practice





Workshop EU-OSHA, Prague







Military University Hospital, Prague





Agrosalon Země živitelka, České Budějovice

















Occupational Safety Research Institute



Research Institute for Immersive Technologies



Ministry of Labour and Social Affairs



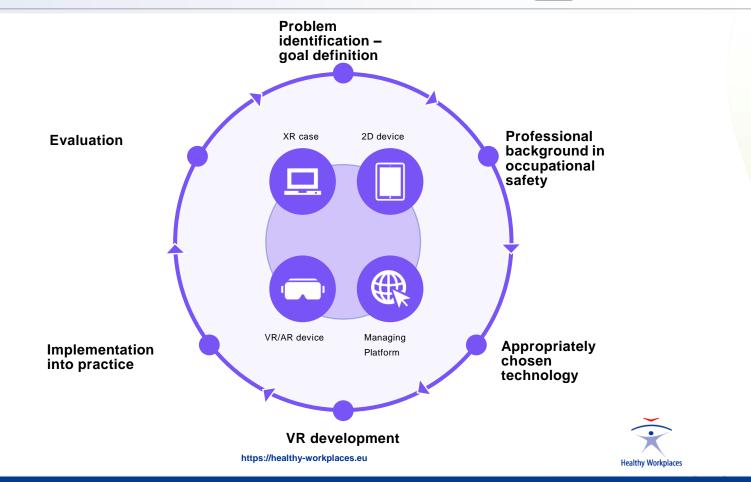


VR Training

European Agency for Safety and Health

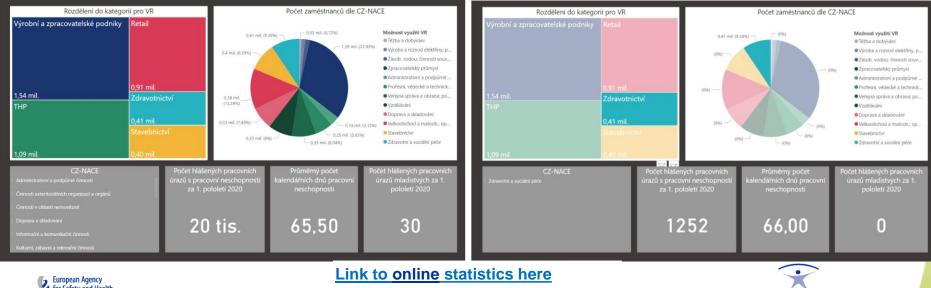
at Work





Problem Identification

- The increasing disproportion of efficiency and the current way of education of OSH legislation, which is directly linked to the health and financial impacts related to occupational accidents and diseases, are the reason for the implementation of this project.
- The goal is to build an ecosystem of OSH channels (a set of VR applications) focused on various types of industries affecting 83.9% of the working population in the Czech Republic.



for Safety and Health at Work

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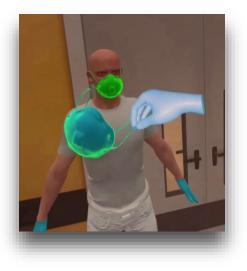
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Solution Development



Showcase of VR



Example of 2D application









Implementation into Practise

Occupational health and safety in virtual reality

Application of virtual reality technology to health and safety education

Read the article 📀

Virtual reality training has an undeniable number of benefits. In addition to the autonomous and contactless approach, which proved to be very valuable during the covid-19 pandemic, these include, for example:

- 3x faster learning process
- autonomous solution that does not require training staff (saves supervisory time)
- 30% increase in the quality of routine work
- allows you to experience hard-to-simulate scenarios
- facilitates training coordination and reduces training costs in the long term.

With the help of VR, it is possible to train and train employees effectively, cheaply and without language and other barriers, which are successfully broken down by using this technology. From the essence of VR training, we can assume a reduction in the number of work accidents in the range of 40 - 60 percent.







Institute

Evaluation



 After the successful implementation of the results into practice, extensive testing was carried out in ten healthcare facilities, where the benefits were evaluated on a total of more than 100 healthcare professionals. It was evaluated specifically in the following phases:

- Phase 1: measuring the knowledge of the participants before the start of the training
- Phase 2: education using virtual reality
- Phase 3: self-education using a desktop computer or mobile device
- Phase 4: measuring the change achieved (after two months from Phase 1)

It was obvious from the measured values that there was a significant increase in the competence of the trained employees in the area of using protective equipment. From measurements **in Phase 1** – i.e. from the measurement of the knowledge of the participants before the start of the training, it is evident that the vast majority of health workers made mistakes.

Subsequently, **in Phase 4** – i.e. measurement of the achieved change, significant progress was achieved in all 10 medical facilities, when the error rate of the procedure was reduced to a minimum and the vast majority of staff were able to handle the given procedure without error. At the same time, the hesitancy of healthcare workers during some of the stages of the procedure was reduced and thus the entire procedure was made more efficient and thus also reduced time and material savings.

Also there is significant increase in the competences of healthcare workers and the management of the given procedure, which they subsequently apply in practice. It is necessary to be aware of the risks, if an employee makes a mistake it can mean a risk of endangering his and the patient's health at the same time.





WE ARE PUSHING THE BOUNDARIES IN THE FIELD OF OCCUPATIONAL SAFETY



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