Co-funded by the Erasmus+ Programme of the European Union

SAFESENSE+: Occupational Health and Safety in Green Work Environments with a Sensitive Approach to Climate Change

Agreement Number **2021-1-BG01-KA220-VET-000028016**

PR1 Curriculum and Open Resource Toolbox

Private Ortadoğu Hospital (Büyük Ortadoğu Sağlık Eğitim Turizm San. Tic. A.Ş.)

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Digitalisation in OHS and Environmental Health and Safety (EHS) Management Software

The module aims to prepare trainers, OSG experts and managers for digital transformation that will enable them to better analyze risk calculations and prevention measures in new jobs created within the scope of green jobs.

1 point (25 hours of blended learning)
Contact: *5*
Hands-on practice: *10*
Autonomous studying: *5*
Assessment: *5*

Project Result 1: Curriculum and Open Resource Toolbox

Knowledge	Skills	Responsibility & Autonomy
K1. List the OHS software to be used in green jobs	S1. Show how to solve ICT troubleshooting	R1. Decide reporting in digital environment.
K2. Have knowledge of how to guide SMEs to transform ICT infrastructure to the new concept	S2. Organise SMEs to equip with the necessary software infrastructure	R2. Demonstrate how to use the new software and extensions in the field
K3. Present existing software infrastructure to transform SMEs to the Green Agreement	S3. Test the performance of the software in the OSH field	R3. Decide the latest technology in the field

Tools:

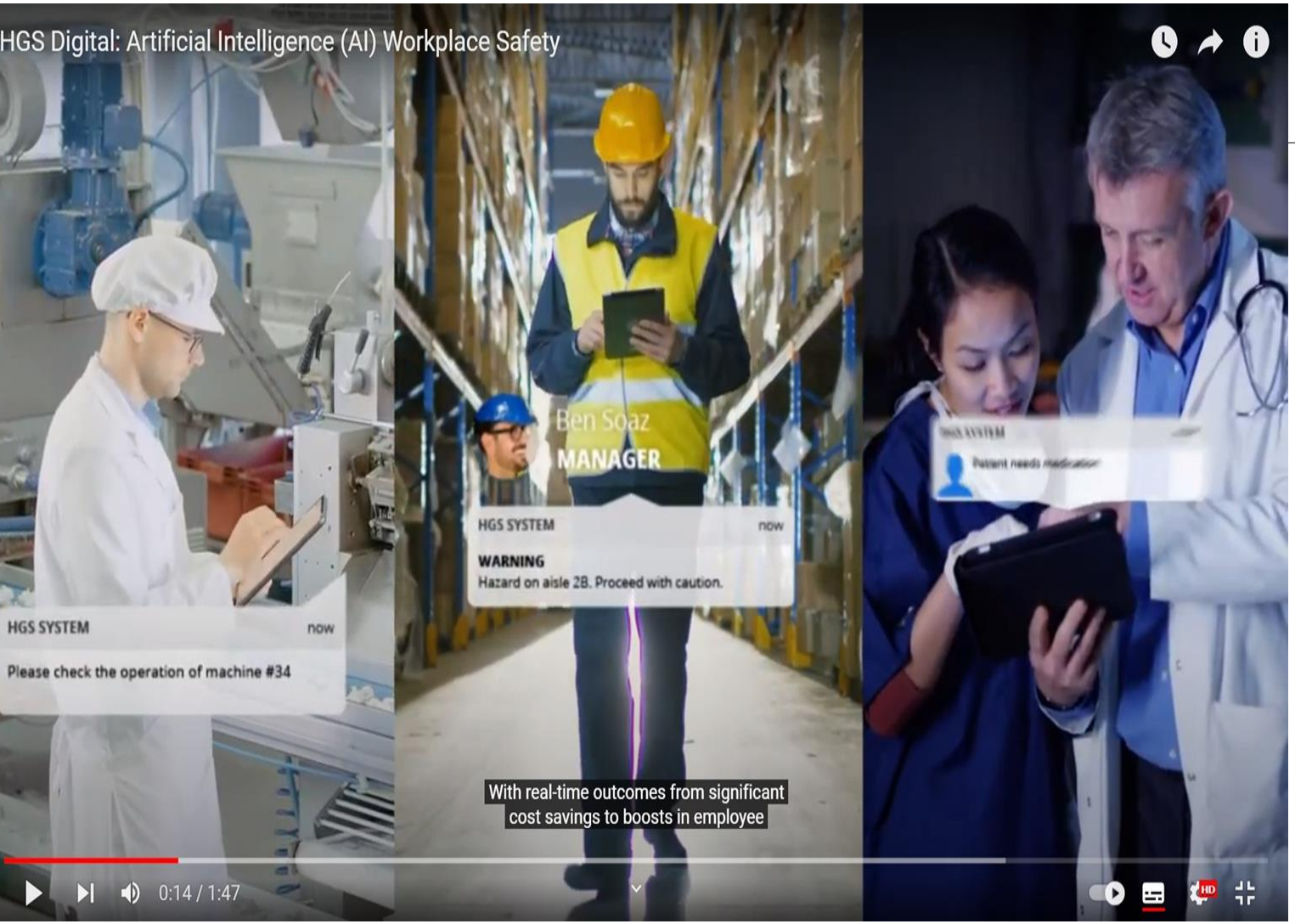
1. Artificial intelligence in Occupational Health and Safety
2. Creating a Digital Security Culture
3. Smart Occupational Health and Safety

Tool 1 -Artificial intelligence in Occupational Health and Safety

1. Importance of software used in digital occupational health and safety
2. Importance of artificial intelligence in software
3. What parameters can we achieve with the software used?

Tool 2 -Creating a Digital Security Culture

1. Creating training on digital security culture
2. Steps to be used in creating the training
3. Raising awareness about the training created


HGS Digital: Artificial Intelligence (AI) Workplace Safety
HGS SYSTEM
now
Please check the operation of machine #34
Ben Soaz
MANAGER
HGS SYSTEM
now
WARNING
Hazard on aisle 28. Proceed with caution.
With real-time outcomes from significant cost savings to boosts in employee
0:14 / 1:47

Tool 3 -Smart Occupational Health and Safety

1. The most used occupational health and safety words in digital software were determined.
2. Questions were created to enable words to be found.
3. It was tried to increase the interest in digital software by reinforcing the learning.

Contents

The most used digital software in the sector is listed

Software used

- Occupatıonal health and safety wıth ıntegrated software
- Robotıc occupatıonal health and safety
- Occupatıonal health and safety wıth vırtual and augmented realıty applıcatıons

Most commonly used integrated software

- KPA EHS
- EASE
- BİSTRAİNER
- ETQ &HEXAGON
- VELOCİTYEHS
- EHS INSİGHT
- HSİ DONESAFE
- İNTELEX
- İNTENSEYE


EHSInsight


etq
part of Hexagon


VelocityEHS®


hsi
donesafe


INTELEX


intenseve

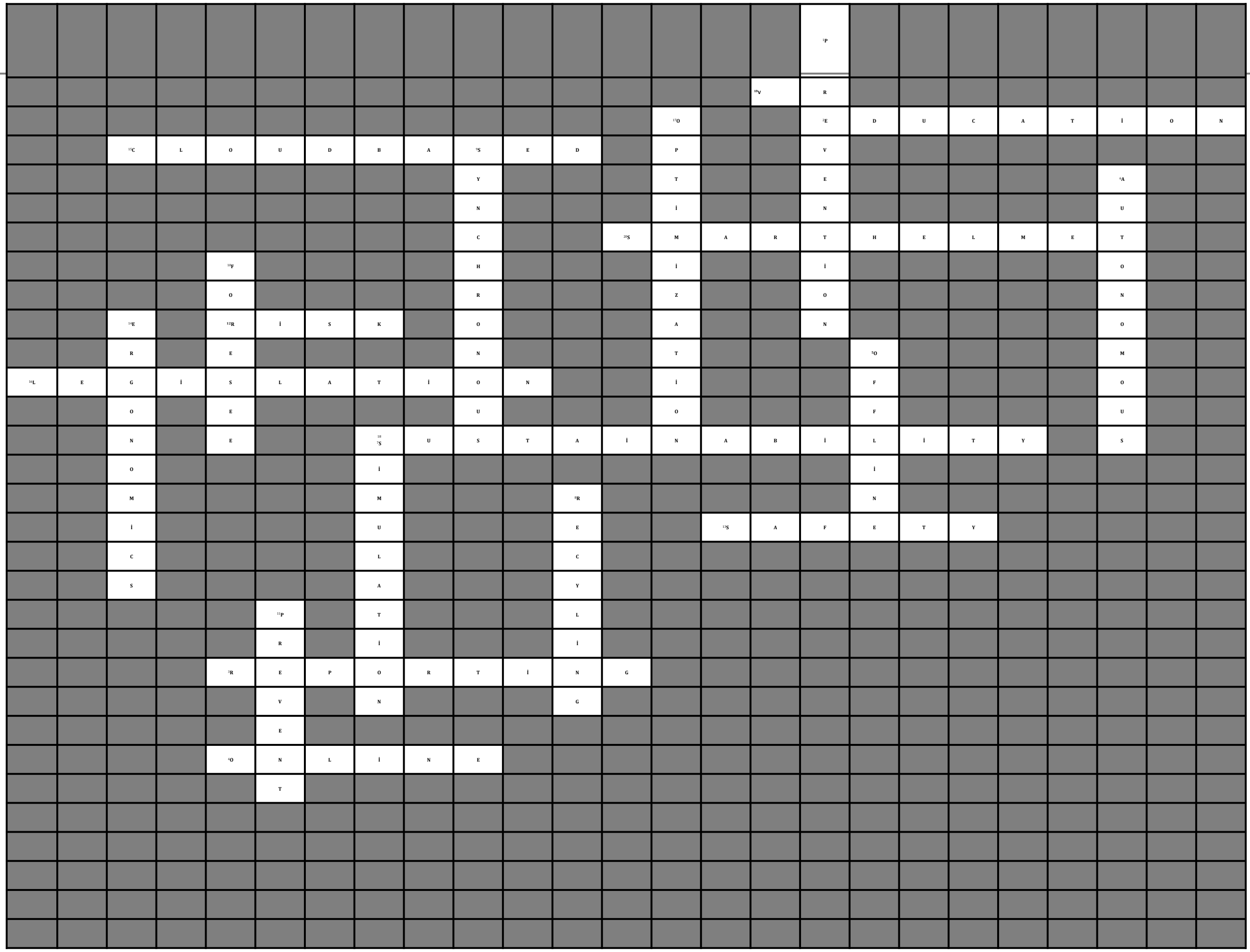
Robotic occupational health and safety

- ROBOGUIDE(Market-leading offline programming robot simulation software for robots)

Software used in virtual and augmented reality applications

- REDSAFE VR GLASSES
- SAFETY TRAİNİNG VR
- OSHA PORTABLE LADDER SAFETY VR
- 3M VR SAFETY TRAİNİNG

CROSSWORD



PREVENTION
EDUCATION
CLOUDBASED
SYNCHRONOUS
OPTIMIZATION
SMARTHELMET
AUTONOMOUS
FORESEE
RISK
ERGONOMICS
LEGISLATION
OFFLINE
SUSTAINABILITY
SIMULATION
RECYCLING
SAFETY
PREVENT
REPORTING
ONLINE

References:

EHS Insight: https://www.youtube.com/watch?v=AgXQc9XwoB4

ETQ:https://www.youtube.com/watch?v=sjfbljzJyM8

Velocity EHS: https://www.youtube.com/watch?v=hHg921BlNm0

Intelex:https://www.youtube.com/watch?v=9-8CFpD63d4

Thank you for listening