VR-TRAINING CATALOGUE

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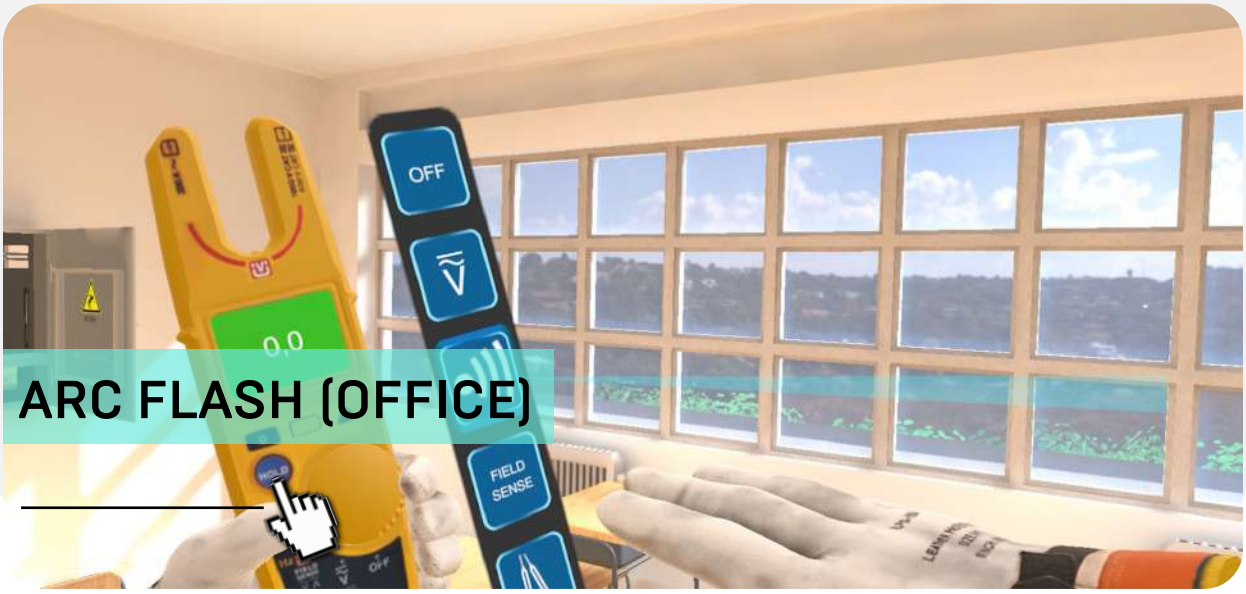

ARC FLASH (OFFICE)

THE VR EXPERIENCE:

In the VR simulator, you will experience a situation where you need to stay safe from arc flash while doing your job.

You will work as an electrician in a classroom. You will need to understand the task, working conditions, and circuit diagram, select appropriate personal protective equipment, check voltage, work with different meter modes, lockout/tagout electrical equipment, and more.

The VR simulator includes learning, training and exam modes.

MODES:

Learning

Training

Exam

DEVICES:

- HTC Vive Focus 3
- HTC Vive (+Pro)
- Meta Quest 2, 3, 3S, Pro
- Pico 3, 4, Enterprise, Ultra
- AjnaXR Pro
- Lenovo ThinkReality VRX

27+ LANGUAGES:

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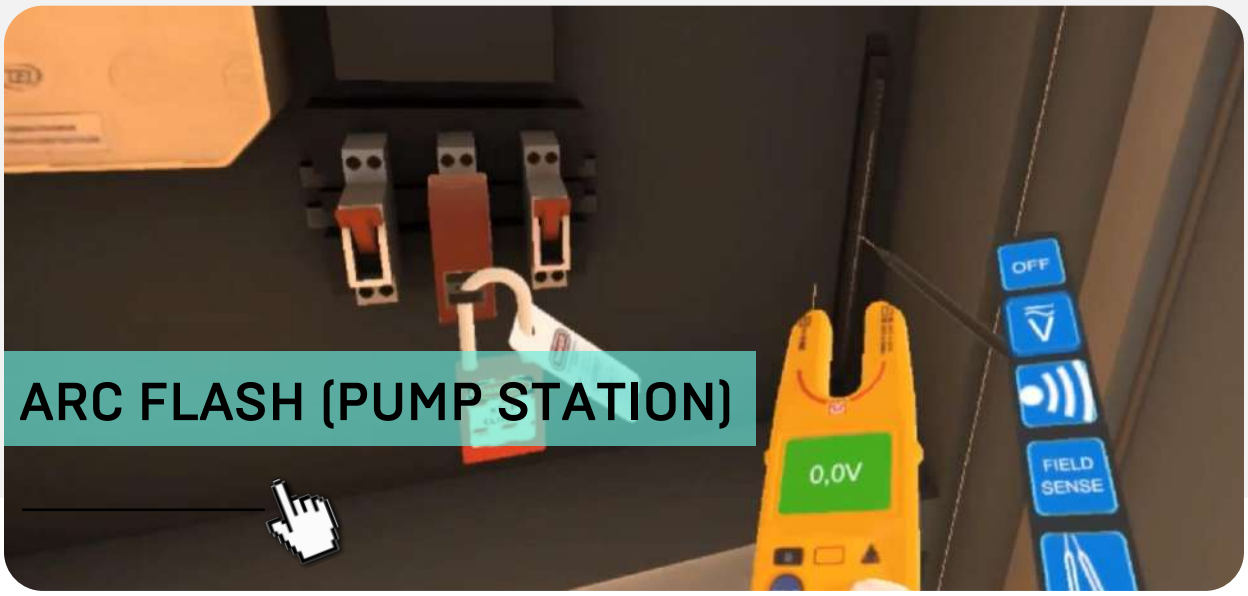

THE VR EXPERIENCE:

In the VR simulator, you will experience a situation where you need to stay safe from arc flash while doing your job.

You will be working as an electrician at the industrial pump station. You will need to understand the task, working conditions and circuit diagram, select appropriate personal protective equipment, check voltage, work with different meter modes, lockout/tagout electrical equipment, and more.

The VR simulator includes learning, training and exam modes.

MODES:

Learning

Training

Exam

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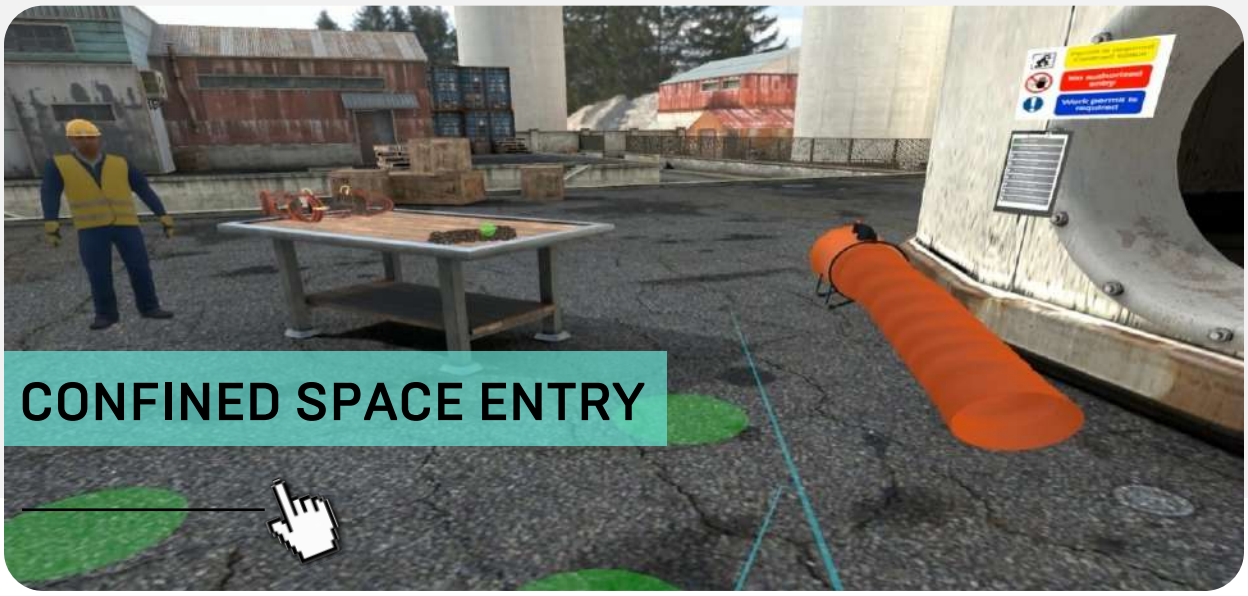

THE VR EXPERIENCE:

This training prepares the user to enter the confined space. The training is conducted on an empty oil storage tank. The training starts with the work permit, the placement of warning signs, the gas test with the proper equipment, and the locking and tagging of all equipment connected to the confined space. After that, the user must set up the ventilation of the confined space and communicate with colleagues to determine the roles of observers and belayers.

After that, the user will put on the harness, connect it to the cable and check the walkie-talkie. The final steps are to sign the entry permit and check all safety measures.

MODES:

Learning

Training

Exam

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ELECTRICAL SAFETY (TYPE 1 SWITCHGEAR)

THE VR EXPERIENCE:

The training begins with taking and signing the work permit and getting the necessary PPE on. You will then collect the tools required for the task and transport them on the cart to your work location.

When you are near the switchgear, you will be required to perform all procedures for safe disconnection of the cell. This includes placing the warning signs, checking the voltage, shutting down the equipment piece by piece, and using various tools and keys.

After shutting down, you will use a special cart to remove the cell and move it away from the container.

MODES:

Learning

Training

Exam

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ELECTRICAL SAFETY (TYPE 2 SWITCHGEAR)

THE VR EXPERIENCE:

The training begins with taking and signing the work permit and getting the necessary PPE on. You will then collect the tools required for the task and transport them on the cart to your work location.

When you are near the switchgear, you will be required to perform all procedures for safe disconnection of the cell. This includes placing the warning signs, checking the voltage, shutting down the equipment piece by piece, and using various tools and keys.

After shutting down, you will use a special cart to remove the cell and move it away from the container.

MODES:

Learning

Training

Exam

DEVICES:

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FIRE SAFETY (WORKSHOP)

THE VR EXPERIENCE:

In the VR simulator, you go through all the fire prevention measures: evacuation plan, fire exits, fire alarm buttons, fire extinguishers.

Then you will enter the fire situation. You must immediately stop working and call the fire brigade by phone (give the address of the organization, name of the organization, location of the fire, name, surname, patronymic, telephone number), evacuate according to the evacuation plan, activate the manual fire alarm, follow the escape routes according to the signs and use a fire extinguisher according to the operating instructions.

The situation takes place in the workshop.

MODES:

Learning

Training

Exam

DEVICES:

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Svenska	and more

THE VR EXPERIENCE:

In the VR simulator, you go through all the fire prevention measures: evacuation plan, fire exits, fire alarm buttons, fire extinguishers.

Then you will enter the fire situation. You must immediately stop working and call the fire brigade by phone (give the address of the organization, name of the organization, location of the fire, name, surname, patronymic, telephone number), evacuate according to the evacuation plan, activate the manual fire alarm, follow the escape routes according to the signs and use a fire extinguisher according to the operating instructions.

The situation takes place in an office building.

MODES:

Learning

Training

Exam

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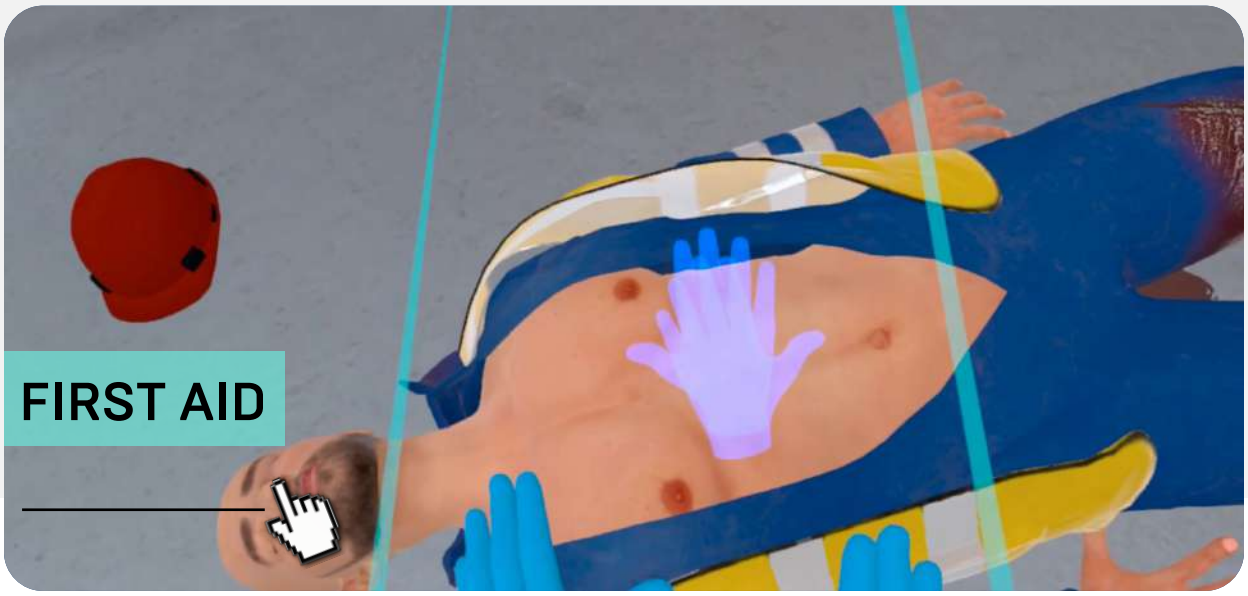

THE VR EXPERIENCE:

Immersive Virtual Reality First Aid Training. Learn essential life-saving skills in a realistic and interactive environment where you can practice CPR, bandaging, and injury assessment.

You witness a fall from a ladder resulting in loss of consciousness and a leg injury. You stop work, grab the first aid kit, and check the injured worker's condition. You then ask your co-worker to call an ambulance and begin CPR. After successful CPR, you cut off the uniform and bandage the wound, noting the time of the bandage. You cover the victim and wait for the ambulance.

Our VR training enables you to make decisions under pressure and gain confidence in dealing with emergency situations. With detailed feedback and guided instruction, you'll be prepared to respond effectively in real-life emergencies. Training is conducted in an industrial environment.

MODES:

Learning

Training

Exam

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FORKLIFT HAZARD RECOGNITION

THE VR EXPERIENCE:

Experience the Forklift Hazard Recognition VR Training! In the VR simulator you will learn how to identify various hazards and prevent accidents in the field. You will identify hazards in and around the truck, use the right tools, and have the right feedback such as sounds, tool actions, and peer collaboration.

You'll learn how to eliminate workplace hazards associated with forklift operation. You will also see and learn about the consequences of misusing the truck and how to avoid accidents.

You'll visit different workplaces and experience different forklift situations.

MODES:

Learning

Training

Exam

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Svenska	and more

THE VR EXPERIENCE:

Experience the forklift pre-operational inspection! In the VR simulator you will learn how to fully prepare for driving a forklift with a load. You will identify hazards in and around the truck, check the equipment, test all the necessary procedures, use the right tools and have the right feedback such as sounds, tool actions and cooperation with colleagues.

You'll learn how to prepare the forklift for a job. You'll see what problems and malfunctions look like and how to avoid them. In the end, you'll have the forklift ready to go!

MODES:

Learning

Training

Exam

DEVICES:

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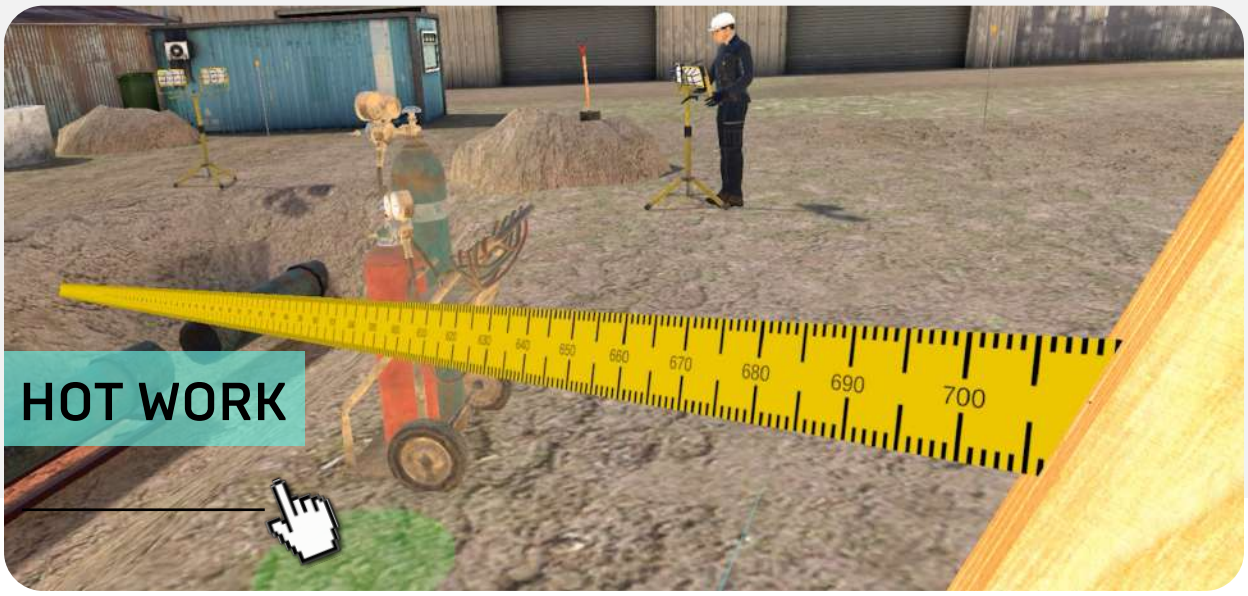

THE VR EXPERIENCE:

The user will first identify himself to the supervisor. The user then puts on PPE and checks all tools for possible damage. Our VR training provides random damage to the equipment, making the training unique.

Then the user will tape the perimeter and place the warning signs. The user will also analyze the gas-air environment; remove all explosive and flammable equipment from the hot work area.

After double-checking all measures, you are ready for hot work.

MODES:

Learning

Training

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THE VR EXPERIENCE:

The assessment takes place inside the large industrial warehouse. The user must take and read the work permit, understand the details and the method of slinging for the job.

The user then needs to put up the warning signs and tape the perimeter.

The next step will be to identify damaged tools and put them in a box and then find the good ones that are suitable for the job.

The next steps are to check the cat head hook, detail the slinging process, and move a large package of sheet metal to the desired location.

MODES:

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THE VR EXPERIENCE:

The training begins with the work permit checklist and access to the lockout station using the master key.

Then you will prepare and turn off the electric pump, check that it is off and start the lockout tagout process. Following the diagram and the signs on the pipes, you will move around the building, locking and checking the pressure in the pipes until the required portion of the pipe is safely locked and tagged out.

Finally, you will return and lock all keys to the lockout station and give the master key to your supervisor.

MODES:

Learning

Training

Exam

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THE VR EXPERIENCE:

The assessment starts in the control room, where you put on various PPEs to protect you from the chemicals used in the pipeline. You will then be given your work permit to begin your work.

You have to read the schematics of the pipes to shut down the right pumps and close the right valves. Then you go to the machine room to perform manual lockout/tagout procedures on the pipes involved in the maintenance. You will use a walkie-talkie to communicate with the control room and tape off the maintenance area.

You will then release the residual pressure in the line by checking the pressure gauges. You will need to use water to wash the chemicals off the floor.

Then return to the control room to report the completion of the task.

MODES:

Learning

Training

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PERSONAL PROTECTIVE EQUIPMENT

THE VR EXPERIENCE:

Personal protective equipment, commonly referred to as "PPE," is equipment worn to minimize exposure to hazards that cause serious injuries and illnesses in the workplace. These injuries and illnesses can result from exposure to chemical, radiological, physical, electrical, mechanical, or other workplace hazards.

The VR training includes the following preparation scenarios:

Electrical Work: 1 kV, 10 kV, 15 kV, 25 kV Tasks

Chemical Hazards: Levels A,B,C,D

The VR training includes checking the basic PPEs, rejecting the damaged ones, understanding the checking process, dividing the PPEs into the ones you are wearing now and the ones you should bring to your workplace.

MODES:

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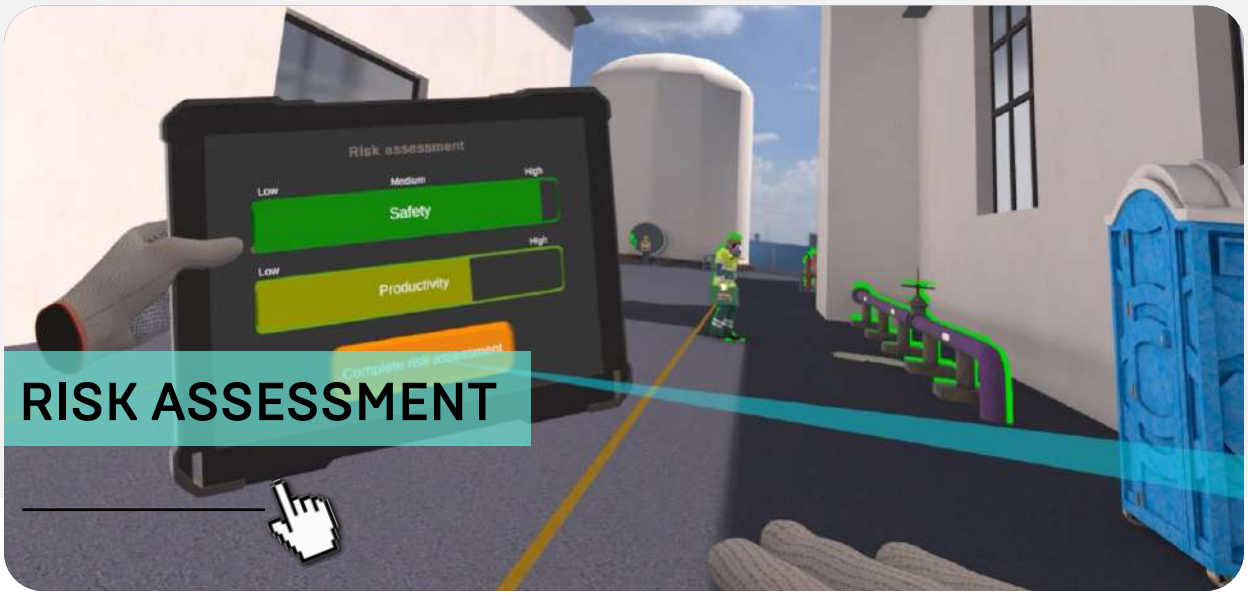

THE VR EXPERIENCE:

In the VR training, you'll need to find all the hazards on the industrial site.

Using the Risk Assessment Matrix, you'll not only inspect the unsafe behavior or hazard, but also find the balance of solutions that maintain productivity. The user is a safety inspector who needs to control the work on site and prevent accidents.

You'll visit indoor and outdoor locations and investigate various risks. Your task is to eliminate all risks while maintaining a high level of productivity on the site.

In the training and exam mode, many risks are randomized and you'll be immersed in unique training combinations each time you start.

MODES:

Learning

Training

Exam

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Svenska	and more

ROAD ACCIDENT WITH DANGEROUS GOODS

THE VR EXPERIENCE:

The assessment begins immediately after your vehicle has been hit by a following car.

You will stop the engine, take the sign, go out to place a sign, check the condition of the other driver and his car, and check your vehicle's parts and load.

After that you will communicate with your dispatcher, inform about the accident, take photos of both cars and more.

The accident occurs in the morning on a rural road.

MODES:

Learning

Training

Exam

DEVICES:

- HTC Vive Focus 3
- HTC Vive (+Pro)
- Meta Quest 2, 3, 3S, Pro
- Pico 3, 4, Enterprise, Ultra
- AjnaXR Pro
- Lenovo ThinkReality VRX

27+ LANGUAGES:

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SCAFFOLDING (BAKERS SCAFFOLDING ASSEMBLY)

THE VR EXPERIENCE:

In the VR simulator, the user will prepare the site and tools, construct two levels of Baker Scaffolding, check the horizontal level of the scaffolding parts, and mark the scaffolding ready for use. The second member of the team will assist with the task.

The simulator begins by cleaning the job site and gathering and placing the necessary parts. Then the user learns to build the scaffolding levels and verticals step by step, checking the correctness of the construction.

The scaffolding is erected according to the standards, inspected and marked ready for use.

MODES:

Learning

Training

Exam

DEVICES:

- HTC Vive Focus 3
- HTC Vive (+Pro)
- Meta Quest 2, 3, 3S, Pro
- Pico 3, 4, Enterprise, Ultra
- AjnaXR Pro
- Lenovo ThinkReality VRX

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Svenska	and more

SCAFFOLDING (WEDGE LOCK SCAFFOLDING ASSEMBLY TRAINING)

THE VR EXPERIENCE:

In the VR simulator, the user will prepare the site and tools, construct three levels of the wedge scaffold, check the horizontal level of the scaffold parts, and mark the scaffold ready for use. The second team member will assist with the task.

The simulator starts with the work permit and the task, collecting the necessary tools, placing them on the belt and taping the perimeter. Then the user learns to build scaffolding levels and verticals step by step, checking the correctness of the construction.

We will use the harness for working at height, a hammer drill to create anchor points, and ladders for easy movement. Scaffolds are erected and inspected according to standards and marked ready for use.

MODES:

Learning

Training

Exam

DEVICES:

- HTC Vive Focus 3
- HTC Vive (+Pro)
- Meta Quest 2, 3, 3S, Pro
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Svenska	and more

TRENCHING AND EXCAVATION (FIELD WORK)

THE VR EXPERIENCE:

Experience the profession of the safety inspector, who first observes the workers' readiness to perform the task in the trench, the condition of the trench and its risks, and checks the performance of the excavator and the newly installed shielding system.

The risks to be observed and eliminated are: field conditions, gas in the trench, electric shock, wall collapse, falling objects, fall from height, excavator digging risks, and collapse.

You will find and change all dangerous conditions by going around and down the trench. After the trenching and excavation safety VR training, you'll have a perfect understanding of working in a large trench with a whole team of workers using heavy equipment in the field.

MODES:

Learning

Training

Exam

DEVICES:

- HTC Vive Focus 3
- HTC Vive (+Pro)
- Meta Quest 2, 3, 3S, Pro
- Pico 3, 4, Enterprise, Ultra
- AjnaXR Pro
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Svenska	and more

TRENCHING AND EXCAVATION (ROAD CONSTRUCTION)

THE VR EXPERIENCE:

Experience the profession of the safety inspector, who first observes the workers' readiness to perform the task in the trench, the condition of the trench and its risks, and checks the performance of the excavator and the newly installed shielding system.

The risks to be observed and eliminated are: traffic accidents (any worker or operator can be hit by a car), electric shock, wall collapse, falling objects, fall from height, excavator digging risks, and collapse.

You will find and change all dangerous conditions by going around and down the trench. After the trenching and excavation safety VR training, you'll have a perfect understanding of working in a large trench with a whole team of workers using heavy equipment.

MODES:

Learning

Training

Exam

DEVICES:

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TRUCK PREPARATION FOR DRIVING

THE VR EXPERIENCE:

The assessment begins in the room where you will receive your documents. You will then receive your work permit and start preparing to drive.

You will approach your vehicle and check for several possible problems, including oil and coolant levels, wheels, signs, driver's PPEs, all types of lights, leaks, the fifth wheel, engine, vehicle systems, and many other points in your checklist.

You must go through all the items on your checklist to complete the task. In the training and exam, possible problems are randomized to make each experience unique.

MODES:

Learning

Training

Exam

DEVICES:

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- Meta Quest 2, 3, 3S, Pro
- Pico 3, 4, Enterprise, Ultra
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THE VR EXPERIENCE:

The assessment starts underground, in a room with the foreman, who gives you the work permit. Then you take the rock scaling tool and go out.

As you proceed to your work site, you must find any loose rocks or fall hazards along the way. When you find one, you must use your rock tool to remove the hazard or ask your co-worker for help.

If you find a hazard that you cannot remove yourself, barricade the tunnel. And report the hazard to the foreman.

When you get to the rock face of the tunnel, you will look for hazards with your headlamp because there is no light in the blasting area.

In training and exam mode, the hazards are randomized to create a unique learning experience for the student.

MODES:

Learning

Training

Exam

DEVICES:

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THE VR EXPERIENCE:

The assessment begins at the oil storage facility in the desert. You will prepare for working at height by communicating with your co-worker, taping off the perimeter, putting up warning signs, collecting tools, checking and putting on the safety harness.

You will then climb onto the structure using self-locking hooks, taking all safety precautions while climbing. You will have to change your methods as you encounter different situations along the way.

Finally, you will interact with colleagues to protect them, use the ladder, stop the unsafe behavior and collect the unused tools on site.

MODES:

Learning

Training

Exam

DEVICES:

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THE VR EXPERIENCE:

Workplace Safety VR Training will teach you to identify factors that make work unsafe and how to eliminate them.

You will be required to locate hazards in the industrial environment around various workstations, pay attention to the procedure for compliance with occupational health and safety requirements and various applicable technical and administrative measures of occupational health and safety requirements (for example, mandatory PPE, monitoring temperature exposure limits, and protective measures for exposure to harmful and hazardous industrial factors).

The training takes place in the warehouse with the equipment.

MODES:

Learning

Training

Exam

DEVICES:

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