

Technical Sheet



*Plant risk
assessment*

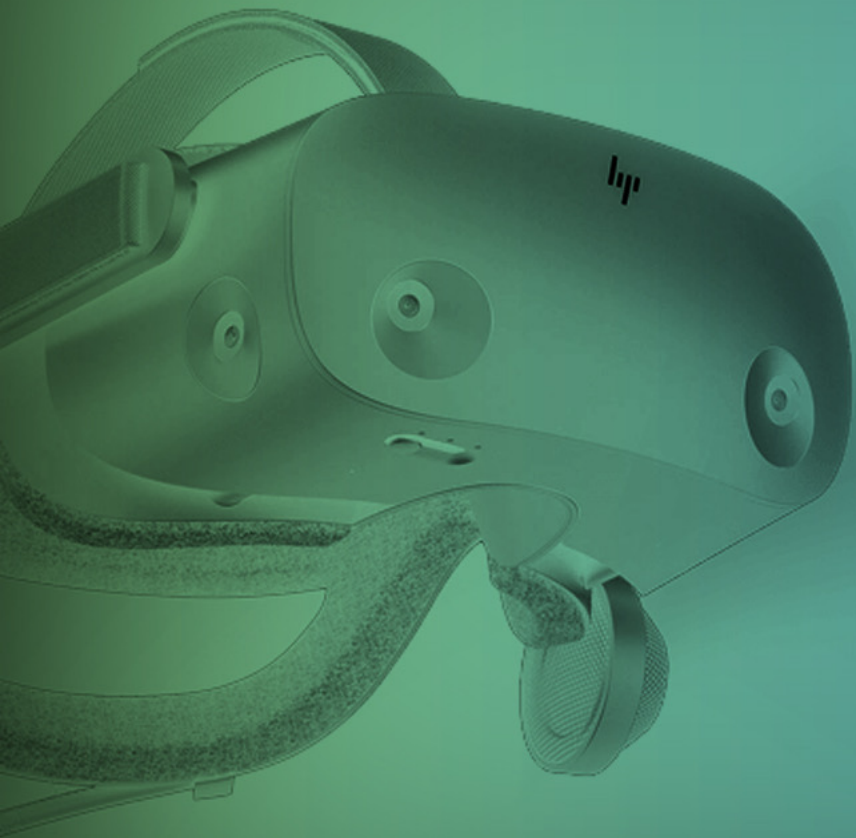


Ludus product geared towards training risk detection capability in industrial environments.



Plant risk assessment

- > The objective is to provide the trainer with a virtual scenario in which the student can practice his or her ability to observe and knowledge about the risks and safety standards in industrial work.
- > This product serve a wide range of risks related to PPEs, general safety standards and signaling.
- > The student must identify each risk situation, if he or she do not correctly identify any, it will be shown to him or her at the end of the exercise.



01

Simulation
content

Simulation content

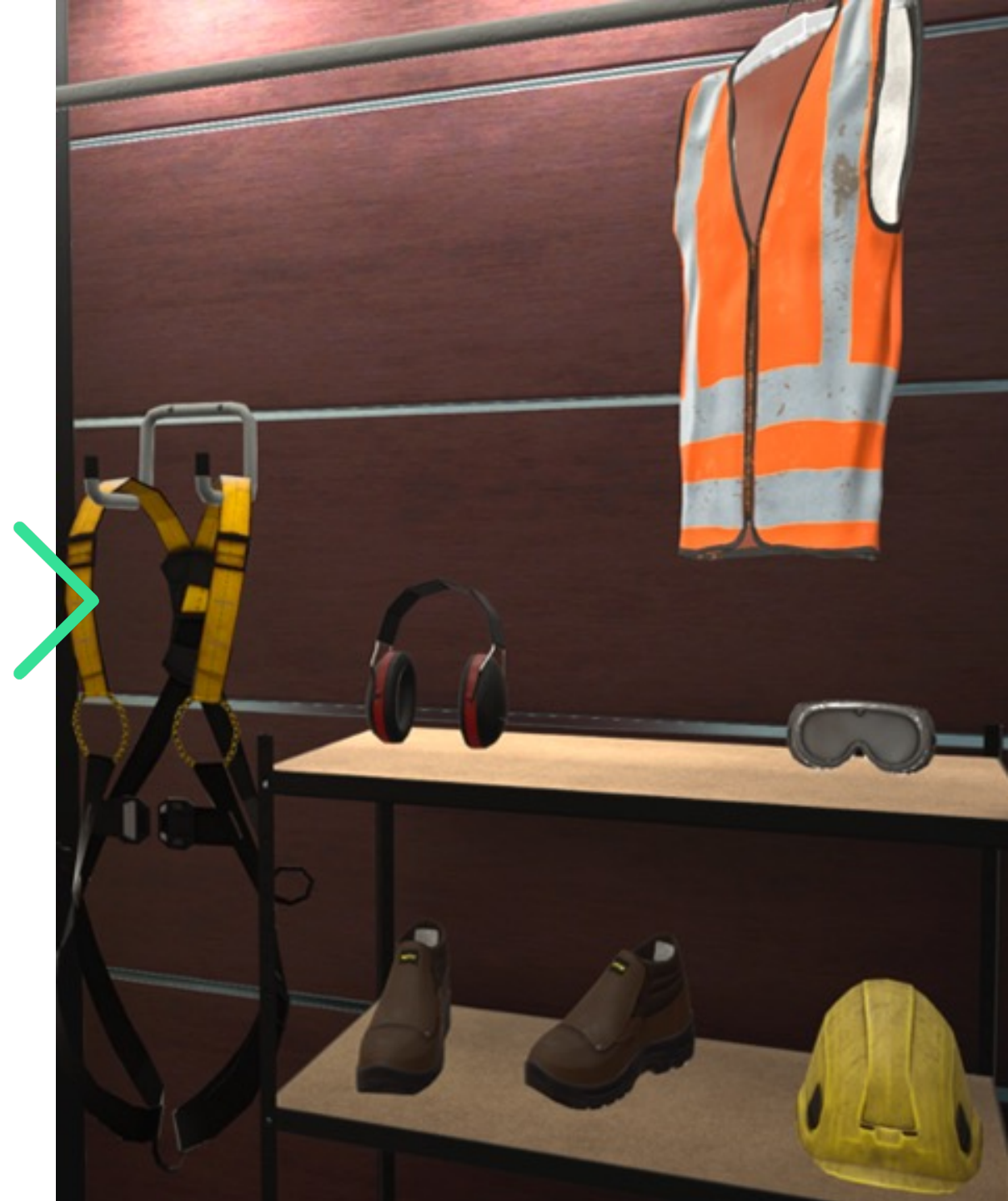
Part 1- Placing PPES

The student starts in a locker room where he or she will have several PPEs that can be observed and placed.

It will have around it several posters indicating the PPEs that are mandatory in that plant.

PPES available in the first version

- Hearing protector
- Reflective vest
- Safety boots
- Safety harness for working at heights
- Safety helmet
- Safety glasses



Simulation content

Part 2- Walk around the plant

Once properly equipped, the student goes out to the work floor and must follow the indicated crosswalk.

At the plant there will be other people carrying out various types of industrial work. If the student observes any unsafe behavior around him or her, he or she should report it by pointing it out with his or her hand.

Exercise resolution

Once properly equipped, the student goes out to the work floor and must follow the crosswalk indicated.





Exercise time

- > If the trainer wishes, if the student has made mistakes, he or she has the option to repeat the exercise until he or she deems it necessary.
- > The average time to perform an exercise is **15 minutes**.
- > In case an exercise is taking too long, the trainer can also force the end of the exercise at any time and go straight to resolution to see the mistakes made up to that point.



Own risks included

Use of PPEs

Before starting, the user must be equipped with the mandatory PPEs in the plant.

Follow the crosswalk

During his/her entire stay at the industrial plant, the user must travel along the crosswalk route. If he or she doesn't, the exercise will stop.

Crosswalks

There will be several crosswalks that he or she will need to cross carefully to avoid being hit by vehicles.
Some zebra crossings will have a traffic light where he or she must ask for a stop before crossing.

Access to restricted areas

The industrial plant has areas where passage is prohibited. If the student tries to access one of these areas, he or she will make a mistake in the exercise.



Risks of others included

Jobs without corresponding PPEs

- People performing work on steam machinery without wearing thermal protection gloves.
- People handling chemicals without wearing safety glasses.
- People handling dies without wearing mechanical protective gloves.

Work done unsafely

- People shipping chemicals to an un-approved or labeled container.
- People working at heights without being tied up or having a preventive resource
- Worker performing electrical work without permission
- Handling and lifting manual loads without taking the right posture

General safety standards

- Dirt on the ground
- Worker talking on mobile and walking around the plant

Unmarked risk situations

- Lifting platform doing work without signaling the area
- Open electric switchgear

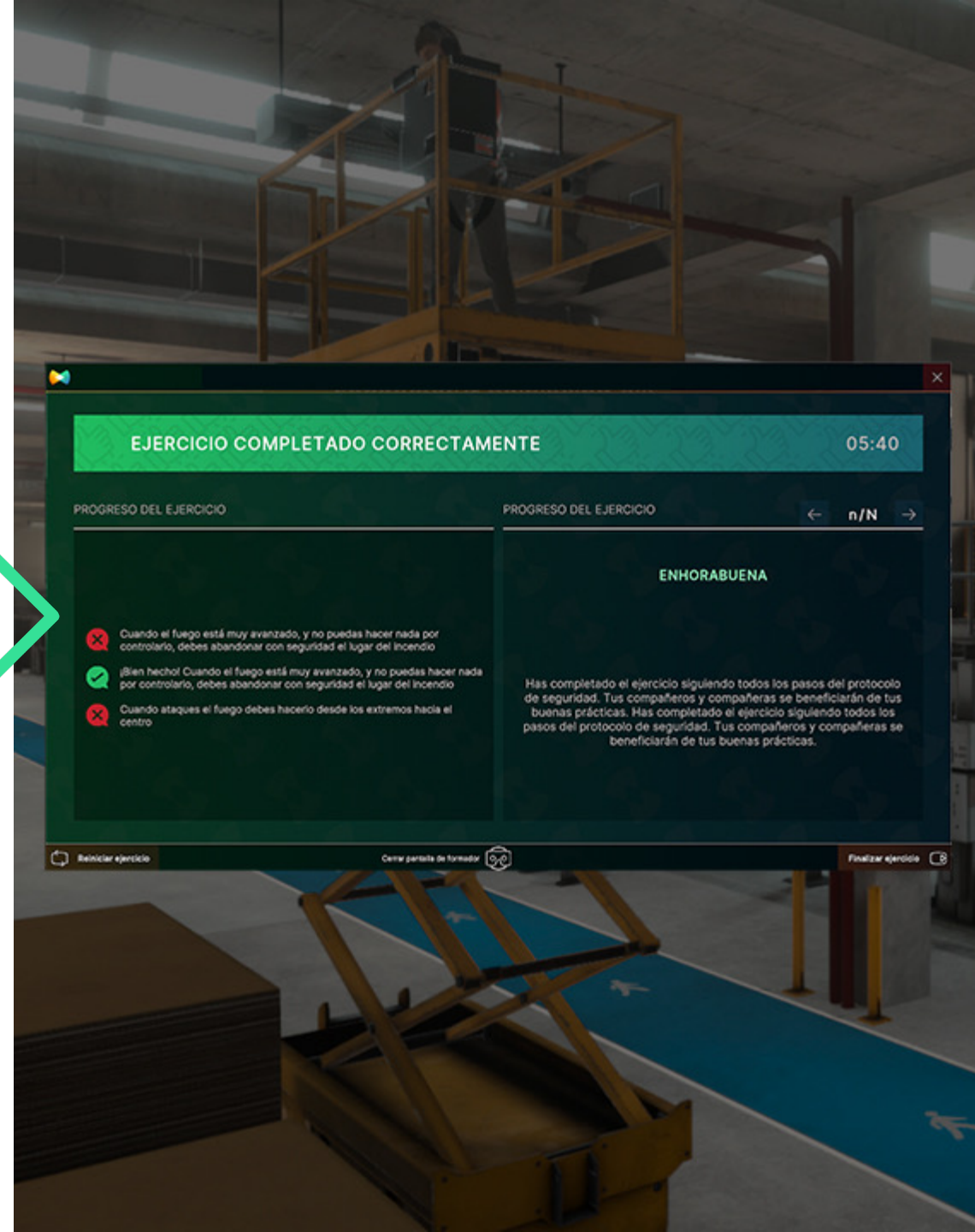


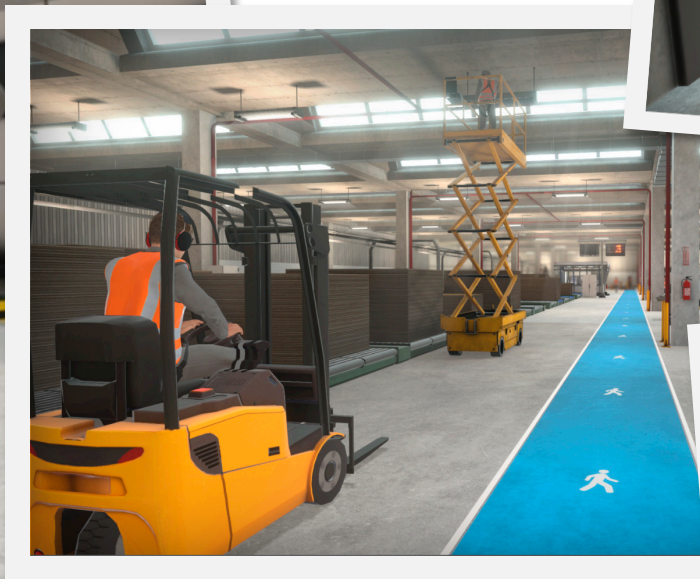
Basic statistics

Statistics system

Basic statistics displayed to the user at the end of the simulation

- > Duration of the exercise.
- > List of mistakes made







02

All trainings,
one platform

First European Platform

for realistic training in **labor and health security** with
Virtual Reality

Platform advantages



Content access

Living products in
continuous improvement



Teacher training

Pedagogical support for
teachers in the use of VR



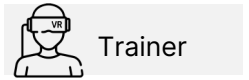
Hardware
at **cost price**



**Improve your classes on
safety and health**, adding an
immersive component to the
trainings



20 complete products with
more than 500 exercises.



- Road safety
- Plant risk prevention
- Fall protection
- Safety officer at heights
- CPR
- Overhead Crane
- PPE. Personal Protective Equipment
- Warehouse safety
- Plant risk assessment
- Electrical hazards
- LOTO
- Fire safety
- Confined Spaces
- Safety in construction
- Mobile elevating work platforms
- Postural ergonomics
- Forklift risks
- Hand Injury Prevention
- Use and Handling of FHCs
- First aid

We are continually adding **new updates** and content to the platform



Calendar

of incorporation to Ludus

01

Demo

Product demonstration.
Financial proposal
presentation.

02

Suscription

Platform hiring.
Reception of the material.

03

Onboarding

Welcome pack.
Commercial arguments.
Graphic resources.
Marketing sheets.
Video tutorials.
Training for trainers.

04

VR training

Unlimited use of the training
resources available on the
platform.
Platform maintenance and
update.

Why VR?

The impact that virtual reality has on learning is **remarkable**



Active learning

Based on Edgar Dale's Pyramid of Learning

VR learners are...



4 times

Faster at learning than in a conventional classroom



3.7 times

More connected to the content than learners in a classroom



2.3 times

More connected to the content than learners in e-learning



4 times

More concentrated and focused



Learn by Living

ludusglobal.com