CONSTRUCTION SECTOR

COMPATIBLE VULCAN

VIRTUAL CONSTRUCT

Construction site risk management

Raising awareness of the dangers encountered on construction sites – *all trades combined*
Progressive learning of risk analysis — Risk qualification — Workstation security procedures.

This training revolves around 3 educational objectives, complementary to theorical training :

1. **Awareness of the dangers encountered on a construction site**
2. **Analytical learning methods to identify and manage risky situations, and secure workstation with PPE and PEC**
3. **Validation of trainee's knowledge thanks to a scenario / learning path manage by the trainer on the Vulcan platform**

BENEFITS

- *Increase your trainee's practice time*
- *Reduce the risk of accident*
- *Increase the attractiveness of your training program*
- *Improve trainee or employee performances*
- *Increase your training attractivity with a playful solution*
- *Evaluate your trainees' competencies in real-time*

LEARNING STEP BY STEP

Virtual construction « *construction site risk management* » consists in differents modules with senarios, tutored learning path and sequentiel assessement of risk management and its resolution.

FREE mode: Maneuvers on a unsecured worksite and risk experimentation

Risk analysis and securing the workstation

Validation of knowledge through specific scenarios

FREE MODE

The free mode offer the trainees the opportunity to work on a unsecured worksite and experience the risk of accident that could be deadly. This mode allows the trainee to gain full awareness of the worksite various danger. At the end of the session, he is told the causes and consequences of the endangerment.

TUTORIAL MODE

The trainee select his work zone and receive the instructions. He is then teleported to the selected area. He must visualized the various dangers of the workzone and select them with the joysitcks. Once the danger is spotted, the trainee must select the appropriate PPE in order to control the risk.

EVALUATION MODE

In this sequence, the experience is the same than the tutorial mode without the instructions. The trainee is penalized at all stages of the danger analysis and its resolution based on several criteria.

VIRTUAL CONSTRUCTION is embedded with a unique system that controls and tracks the acquisition of trainees' competencies in real-time. Instructors can create user profiles, groups, learning paths and exercises. Trainees then work through the elements that have been defined for them.

To make the training more efficient, you can modify the parameters and tolerence of each exercise and adapt it to each trainee. You can also create your own list of users and groups, define your own learnign path and exercises to assign to each students.

TECHNICAL CARD

HARDWARE	
PC	Labeled VR Ready
Immersive 3D headset	Hp Reverb + 2 joysticks
Min. floor space	6m² OR 10X10 ft

SOFTWARE	
Features	User identification Work module selection Exercice completion Results' analysis Results' recording on VULCAN Activities' tracking on VULCAN
Trainee's follow-up with Vulcan	Parameters customization Creation of learning paths and exercises Validation of trainees' competency acquisition
Available languages	French, English (others on demand)

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