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All in One VR Safety Education

SAFELINE
SAFELINE
EXTENDED

Contents
Simulator
Operating SW
Training Center

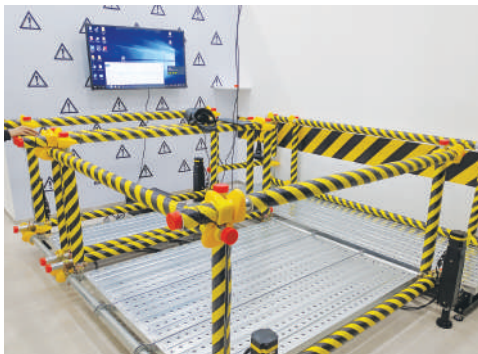
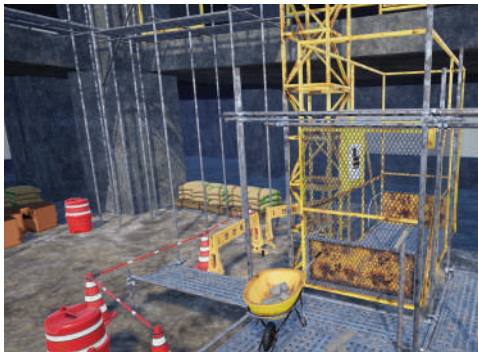
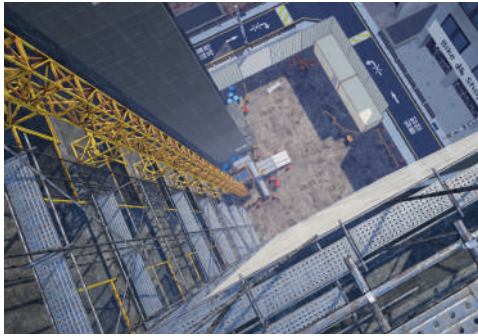
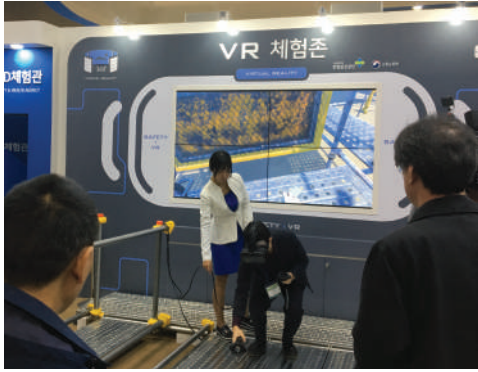
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MLINE STUDIO

Next Reality -
Total Visual
Communication Group

MLINE STUDIO



01

VR Experience for Construction Site Scaffolding Accident



HMD

Vive,
Oculus,
Odyssey



Equipment

Walking
attrac-
tion



Experience
time

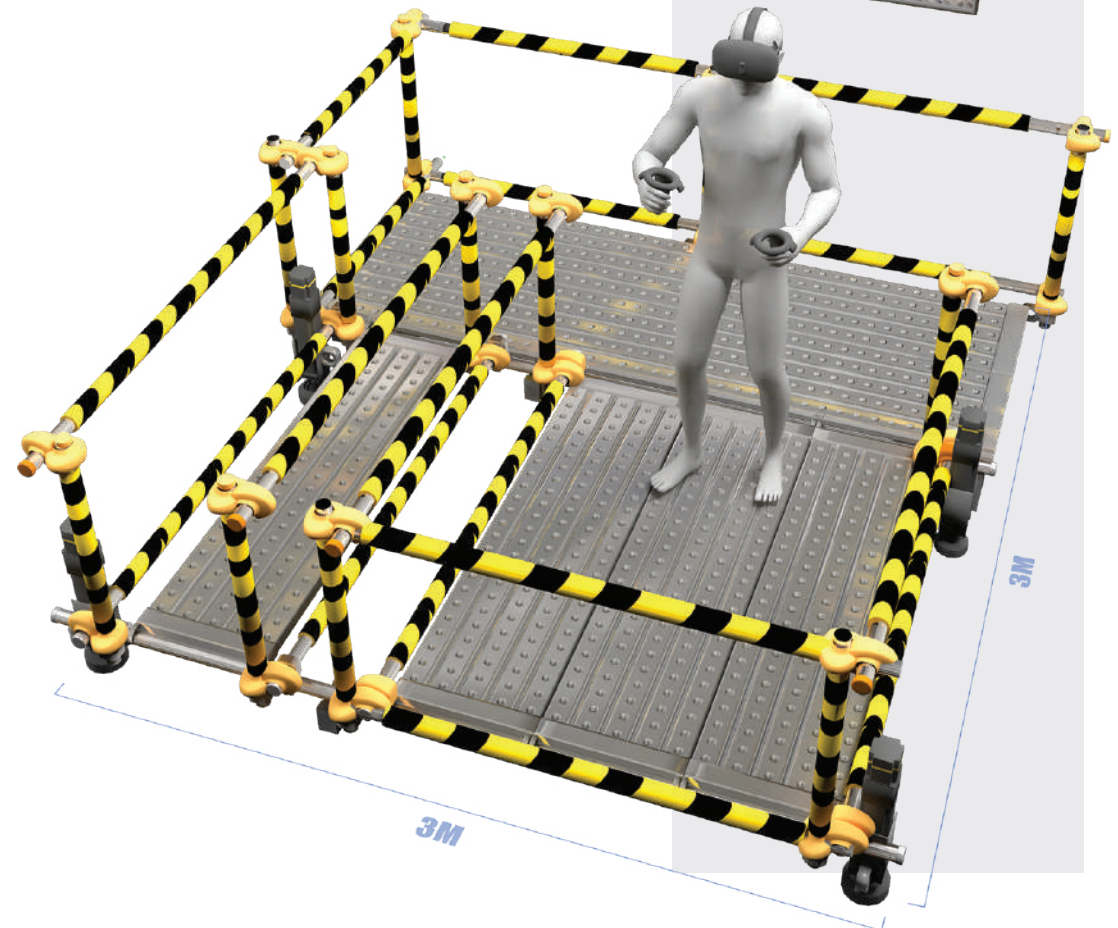
3 min

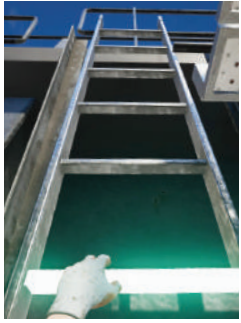
VR contents to experience the feeling of crash that occurs due to corrosion of scaffolding structures on construction sites, It is designed with copper wire to match actual work to maximize VR effect

Walking attracton

Size	3m×3m×1.5m(H)
Passenger	1 person
Weight	200kg
Power required	3Kw
Age	Above 12 years old
Motion method	Actuator

This is a VR device designed to feel the vibration, shaking and falling by attaching the actuator to the scaffolding designed to match the movement of the actual construction site.





Aerial work
Falls



Loading work
Stricture



Transportationwork
Overturn



Aerial work
Falls



Sealing work
Choking



Electric mechanism work
Electric shock



Road work
Crash



Welding work
Fire

02

8 Kinds of VR Experience for Plant Sites



HMD



Equipment



Experience
time

Vive,
Oculus,
Odyssey

Standing
Simulator

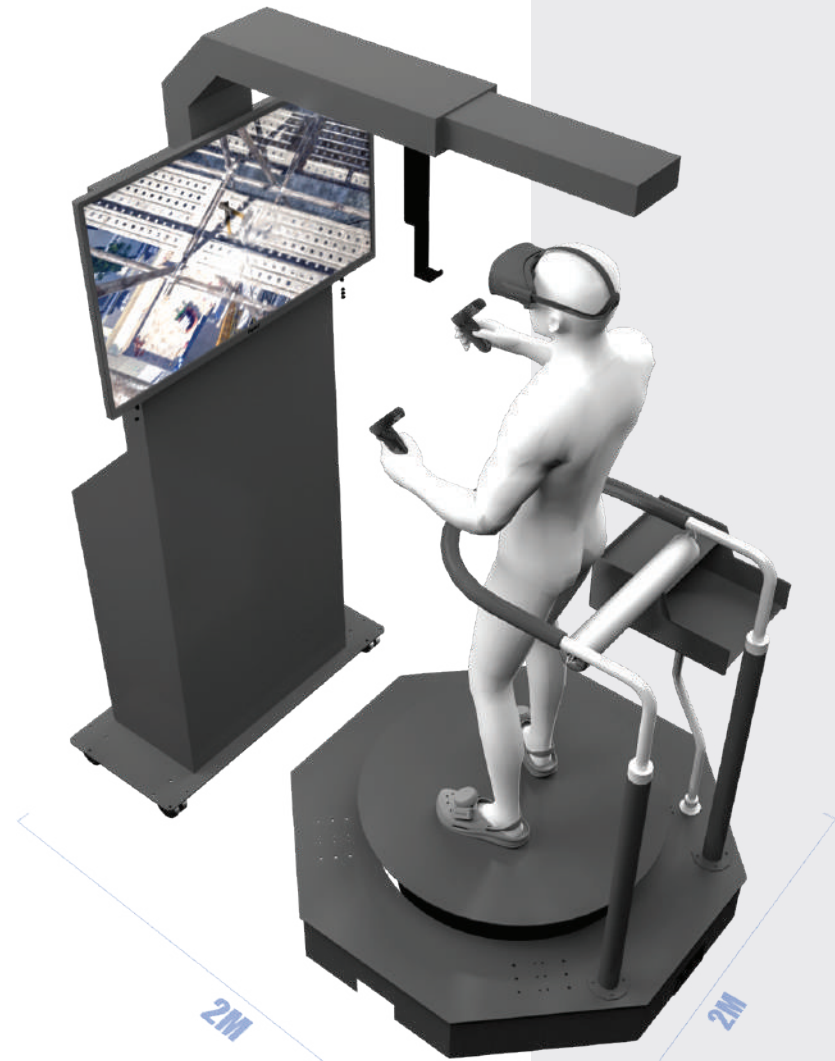
3 min
x
8 Kinds

VR safety training contents that experience major accidents that occur most frequently in plant sites and check risk factors

Size	1.2m×1.2m×1.3m(H)
탑승인원	1 person
Passenger	200kg
Power required	1.2Kw
Age	Above 12 years old
Motion method	Actuator

Standing simulator

The VR device consists of a motion scaffold that can feel up, down, vibration, shock connected to an accident experience, and a safety zone that prevents the experimenter from falling.





03

5 Kinds of VR Experience for Cinematic Accident on Plant Sites



HMD

Vive,
Oculus,
Odyssey



Equipment

Standing
Simulator



Experience
time

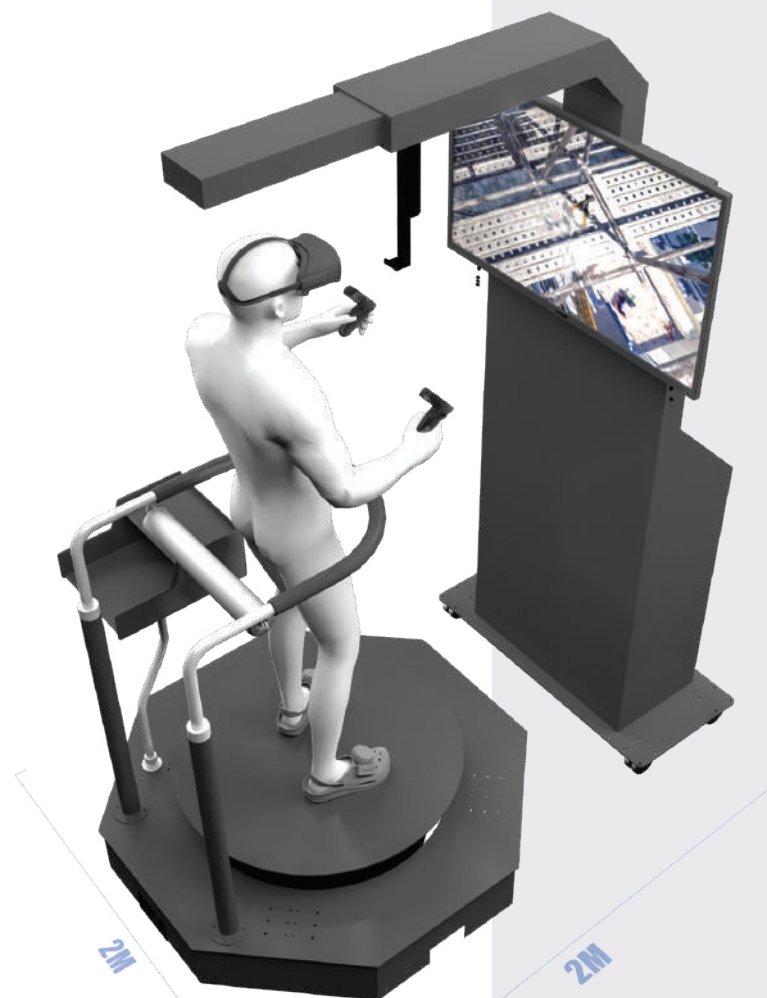
3 min
x
5 Kinds

Cinematic VR safety training contents that are experienced from the perspective of the injured from the cause of the accident to the moment of occurrence by applying the actual event-based story

Standing simulator

The VR device consists of a motion scaffold that can feel up, down, vibration, shock connected to an accident experience, and a safety zone that prevents the experimenter from falling.

Size	1.2m×1.2m×1.3m(H)
Passenger	1 person
Weight	200kg
Power required	1.2kw
Age	Above 12 years old
Motion method	Actuator



04

10 Kinds of VR Experience for Plant Site Risk Assessment



HMD

Vive,
Oculus,
Odyssey

Experience
time

3 min
x
10 kinds

The VR safety training contents to find out as many accident risks as possible on the plant site within set time

STEP 1

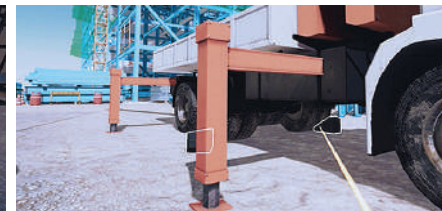
Risk search,
select the risks
with the
laser pointer

STEP 2

Providing workplace
safety rules
and risk information

STEP 3

Complete workplace
assessment in
a safe state
after removing risks

Fire work **Welding**Heavy Equipment Work **Tower crane**Fire work **Oxygen cutter**Heavy machinery work **Portable crane**Electrical work **Distribution board**Sealing work **Outside**Electric work **High speed metal cutting**Sealing work **Inside**

Aerial work



Excavation work

05

Fire Fighting and Fire Extinguisher Safety Training VR



HMD

Vive,
Oculus-
Quest

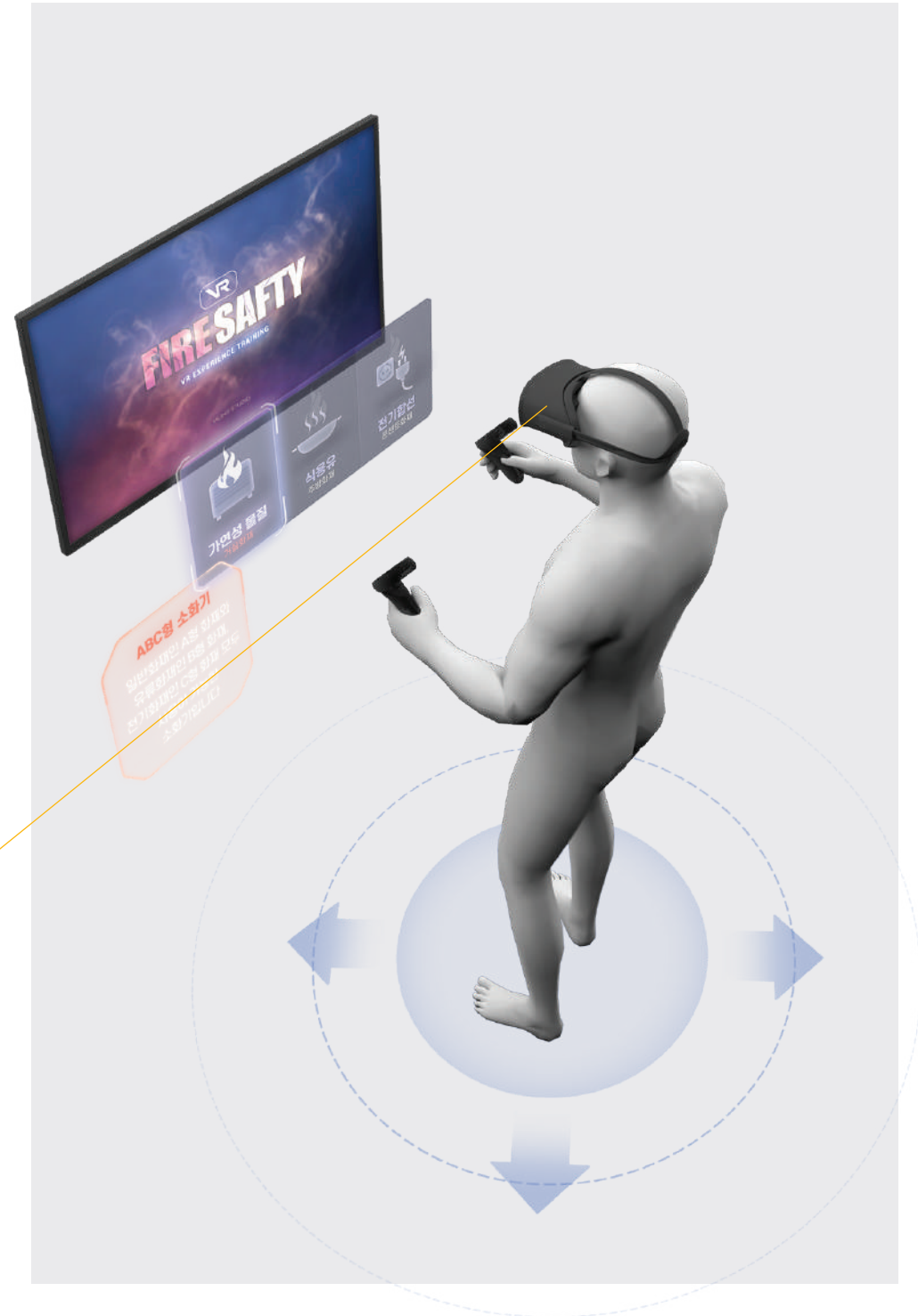


Experience
time

3 ~ 5 min

Fire fighting and fire extinguisher VR training contents consisting of kitchen fires, office electrical fires, and bedroom fires. You can practice first aid firefighting through training on how to use the proper fire extinguisher correctly.

All-in-one wireless HMD for mobile training and portability



06

Fire Drill Education VR



HMD

Odyssey,
Oculus
Quest



Experience time

5 min
x
2 kinds

Fire drill VR contents for general citizens and fire safety managers. Trainees should respond quickly according to the fire response manual within the golden time set in the fire situation at the apartment and evacuate safely. It is characterized by realistic and tense play.

Episode1

Apartment fire drill

- Fire occurrence
- Situation notice -119 Report
- First aid firefighting (Fire extinguisher)
- Select evacuation method
- Front door/Light partition/Descending life line
- Evacuation Success

Episode2

Public facility fire drill

- Fire occurrence
- Situation notice
- First aid firefighting1 (Fire extinguisher)
- First aid firefighting2 (Fire hose station)
- Evacuation guidance
- Evacuation success
- Turnover to firefighter

Apartment fire drill



01. Fire occurrence

Public facility fire drill



01. Situation notice



02. 119 Report



02. First aid firefighting1 (Fire extinguisher)



03. Select evacuation method



03. First aid firefighting2 (Fire hose station)



04. Evacuate using a descending life line



04. Turnover to firefighter

07

Immersive experience for correct weight-carrying



Media



Experience time

Kinect,
Azure
Kinect

3 min

Immersive experience content that trains the correct method of carrying weights using motion recognition sensors. It consists of video education, Immersive education, and OX quiz.

STEP 1

Watch the correct weight carrying training video

STEP 2

Experience the correct weight carrying posture (Provide a replay)

STEP 3

OX quiz for correct weight carrying (Provide a replay)



01. Player recognition test



05. Evaluation of Experience Results



02. Watch training video



06. OX quiz guide



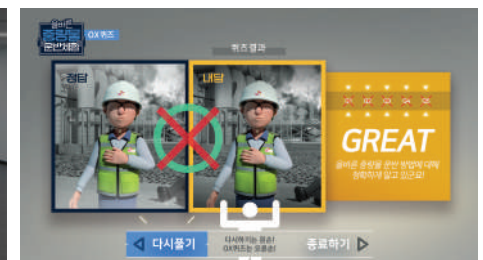
03. Posture experience guide



07. OX quiz

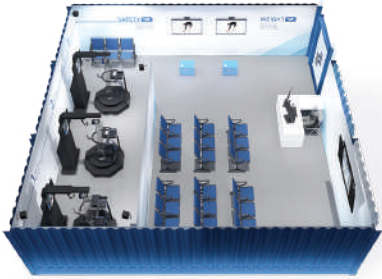


04. Posture experience



08. Evaluation of OX quiz results

08



Experience Building & Management System

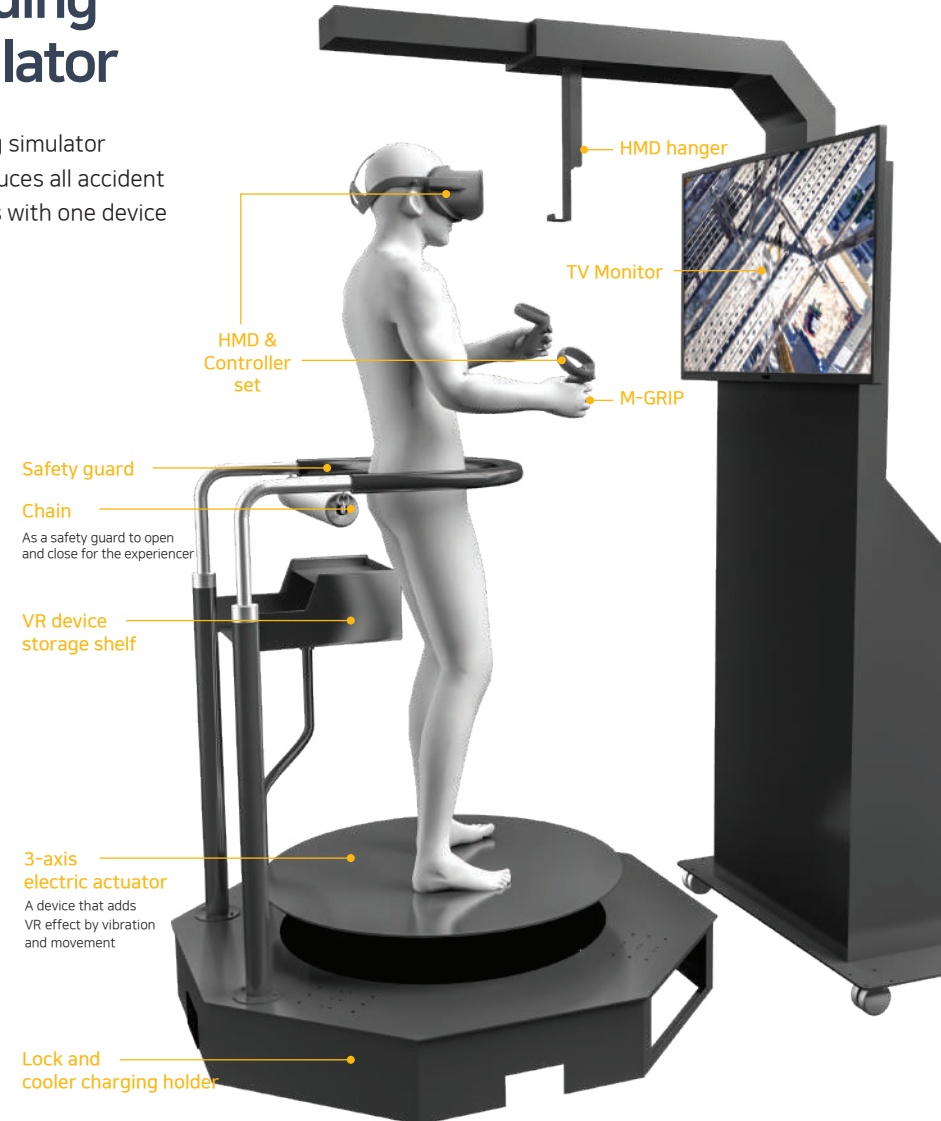
Integrated operation management system for convenience of construction of experience site and operation management



09

Standing Simulator

4D standing simulator that reproduces all accident experiences with one device



10

H/W & SYSTEM

Customizable hardware devices such as 4D simulator, wearable, immersive controller that can be connected to VR contents



M-line studio is

a visualcommunication group composed ofVR contentexperts.

M-line studio is bringing VR achievements of the research institute to the market based on the video technology accumulated for more than 10 years. The main brand, 'Safe Line' series, is a virtual reality safety experience training content for plant sites that satisfies the needs of various customer groups such as construction, shipbuilding, civil engineering, and manufacturing. It has been recognized for the excellent training effect.

Besides, based on accumulated technology, we provide one-stop VR safety experience site construction service for contents, device design, interior decoration and system installation.

Business

Industrial safety job training training game

Clients

