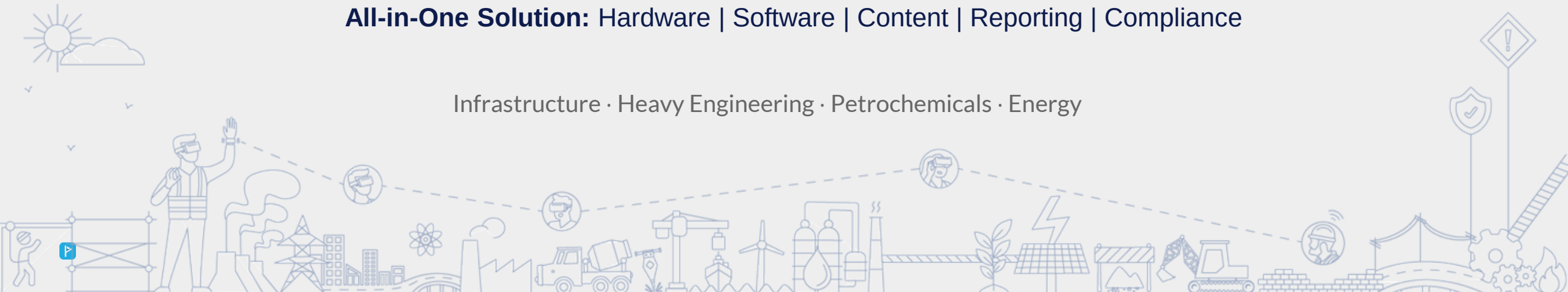




ProVR Industrial Safety Training Solution

All-in-One Solution: Hardware | Software | Content | Reporting | Compliance

Infrastructure · Heavy Engineering · Petrochemicals · Energy



Goals of a Safety Induction Training Program

Sensitize, driving
behaviour change

Validate learning
through assessments

Reports for tracking
use and monitoring
effectiveness

Reduce liability by
reducing accidents
and work stoppages

Building a Culture of Safety: ProVR for Driving Behaviour Change



- **Distraction-free, immersive 360° VR videos:** Provides life-like experience of industrial facilities, unlike conventional videos
- **Engaging content design:** Bridges literacy and fluency barriers, enabling comprehension.
- **Experience the hazard:** Users experience the feeling of height, depth and hazards (e.g., vertigo, perspective, etc.) in 1st person
- **Establish the Why:** Sensitize users to key safety risks and explain WHY safety procedures are structured the way they are
- **Illustrate the How:** Walk the users through the correct SOPs

The ProVR™ Approach

Each VR video module (~4-5 min) is structured into three parts:

1

Hazard re-construction *'This can happen to me!'*

Each video module starts with a **1st person 'accident'**, which the learner experiences in the first person when wearing the headset

This approach **grabs the learner's attention** and drives a sense of 'this can happen to me!'

2

Incident re-creation *'What went wrong?'*

In the second part, the video walks the learner through the **series of incorrect decisions and actions that led to the accident s/he experienced**

This establishes the **need and relevance of the correct SOPs and procedures**

3

The correct protocols *'What I should have done?'*

The video ends with a discussion / demonstration of the **correct procedures that would have prevented the accident** in the first place

This drives home the **importance of following the SOPs and using the correct PPE** to prevent the accident

List of Topics

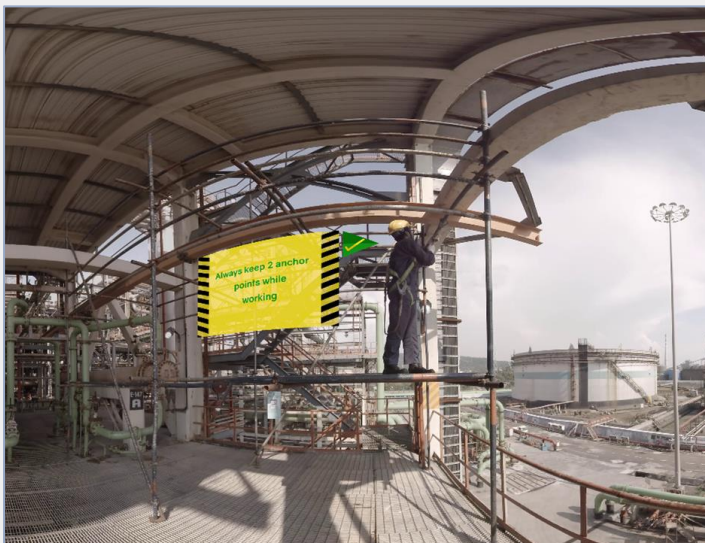
#	Category	Topic #	Topic
1	Working at height	1.1	Importance of using a safety harness, and securing personal tools while working at height
	Working at height	1.2	Loose materials and importance of good housekeeping at heights
	Working at height	1.3	Working at heights: Safe practices on a scaffolding
2	Material Handling	2.1	Safety sensitisation and safe operations: Manual lifting and manual operations
	Material Handling	2.2	Safety sensitisation and safe operations: BOPTs and Forklifts
	Material Handling	2.3	Safety sensitisation and safe operations: Overhead / facility cranes
	Material Handling	2.4	Safety sensitisation and safe operations: Mobile cranes
3	Electrical safety	3.1	General electrical safety
	Electrical safety	3.2	LOTO protocols
4	Machine tool safety	4.1	Basics of machine tool safety
	Machine tool safety	4.2	Working safely with grinding and cutting wheels (abrasive wheel based machines)
5	Welding and cutting	5.1	Safe practices during electric arc welding
	Welding and cutting	5.2	Safe practices for gas cutting & welding
6	Fire Safety	6.1	The types of fires; preventing a fire from happening: Fire triangle (fuel, oxygen, source) : Overview of using a fire extinguisher
7	General safety	7.1	The 5S system and good house-keeping
	General safety	7.2	Working safely in a factory setting: staff and visitor safety orientation and introduction to PPE
	General safety	7.3	Introduction and overview of key PPE
8	Excavation Safety	8.1	Overview: Risks associated with working in an excavation area and key safety protocols
9	Confined Space	9.1	Overview: Risks associated with working in a confined space and key safety protocols



The ProVR Solution includes

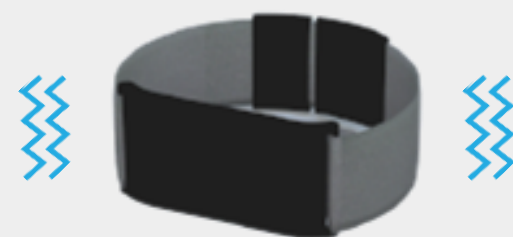
VR Content

Story-based, 360° VR videos with VFX, multilingual content



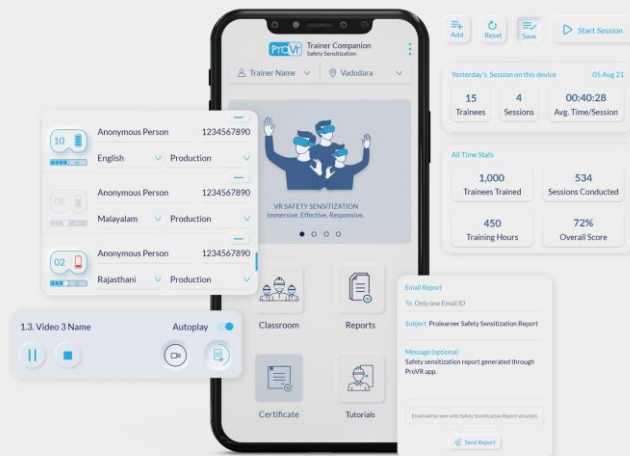
VR Headset and Software

Custom application enables remote control & eliminates need for user on-boarding



Haptics Device

Customs haptics device to enhance immersion and drive impact



Classroom / Playlist Management Software

Smartphone app allows trainer to setup and control all headsets remotely without trainee input



Assess and Certify

Validate learning outcomes and adhere to industry standards

VR Headset based Assessment

Short, 30 sec assessments to validate learning outcomes



Trainer Android App

Smartphone app that where trainer collects, records and report scores



Fall Arrest System Inspection Checklist

Sr. No.	Check Points	Status Y/N/NA	Gaps (System or Implementation) Give details
Anchorage Points			
1	Do workers know appropriate anchorage points for each task that requires a fall-arrest or restraint system?		
2	Are all anchorage points capable of supporting at least 2000 kilograms per person attached and supervised by a qualified person?		
3	Are all anchorage points for body harnesses located at shoulder height and are anchorage points for self-retracting lifelines located overhead?		
4	Are anchorage points independent of the working surface?		
5	Can a worker move from one station to another or climb up and down without exposure to a fall?		
6	If the lifeline, lanyard, or self-retracting lifeline is not permanently attached to an anchorage point at the elevated work area, is the first worker up or the last worker down protected while climbing and traversing?		
Vertical Lifelines			
7	Does the lifeline have a minimum breaking strength of 2000 kilograms?		
8	Is the lifeline protected from abrasive or cutting edges?		
9	Does the system provide fall protection as the worker connects to and releases from the lifeline?		
10	Is the lifeline arranged so workers never have to hold it for balance? (A lifeline should never be used for balance.) Is the vertical segment integrated with the		

Integrated in-VR assessments

Preset questions that are designed to assess and validate key learning outcomes

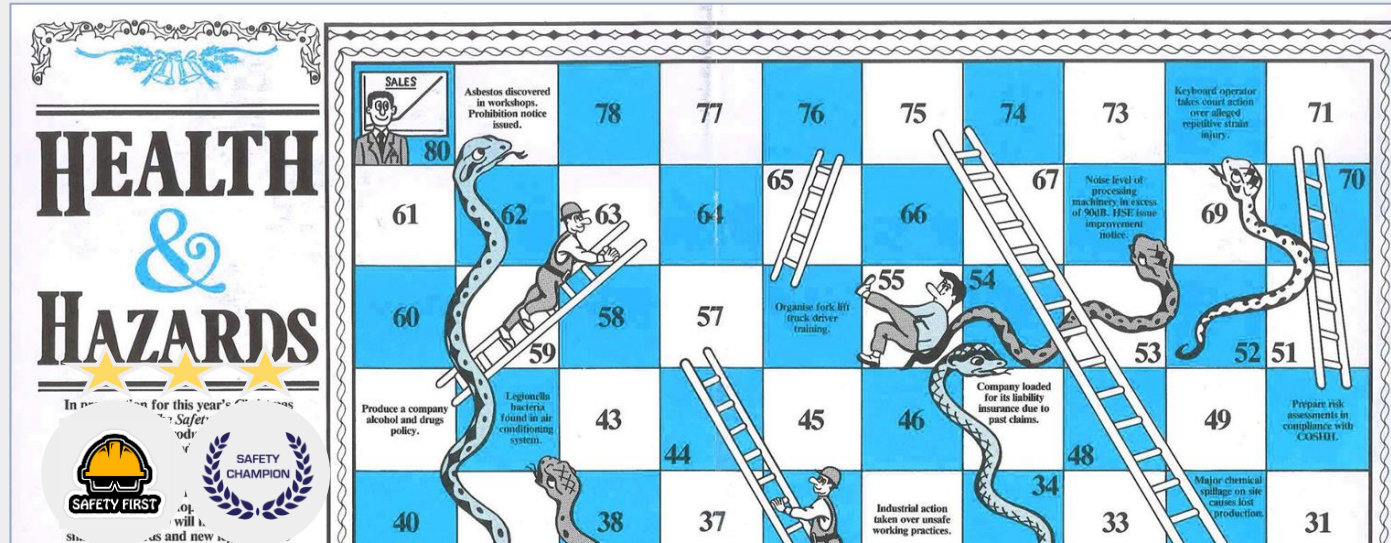


Drive Change

Build a culture of safety
and reduce liability

Gamification

Recognize and
incentivize a culture of
safe behaviour by
gamifying safety training



Posters

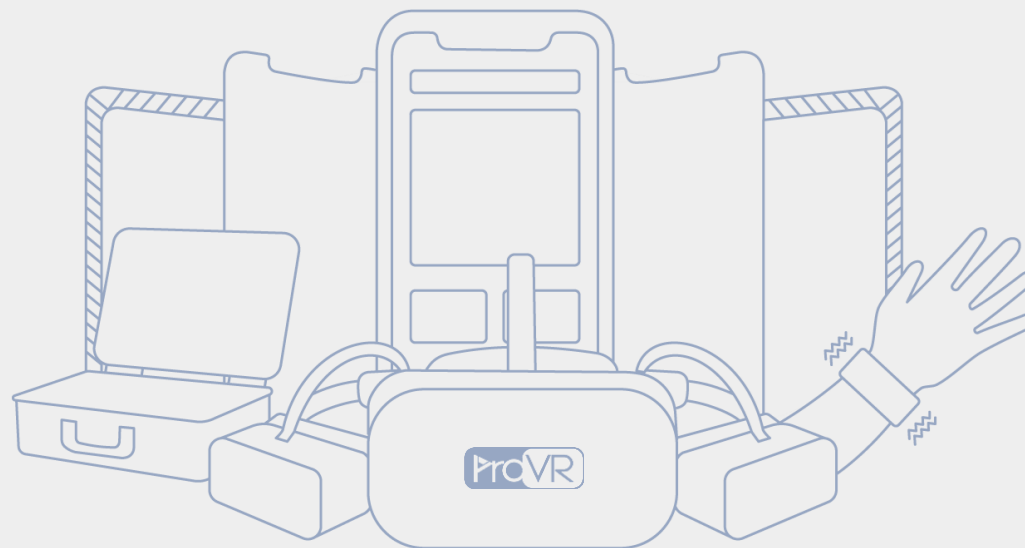
Multi-lingual posters
that help reinforce
critical safety
procedures and tools



Outreach

It takes a community to drive
change - expand safety
awareness from just your
staff to their families and
friends





To digitally transform your training,
Book a ProVR Demo!

The most immersive, effective, scalable
virtual reality (VR) safety training solution



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