



**ASFAN**

**VOCATIONAL  
TRAINING LIBRARY  
Virtual Reality  
Simulator by ASFAN**



Check it on our website

[www.asfanco.com](http://www.asfanco.com)

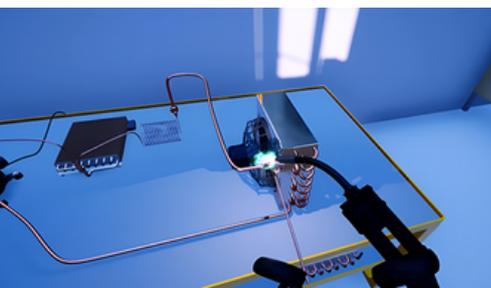




## VOCATIONAL TRAINING LIBRARY: A New Standard in Technical Training

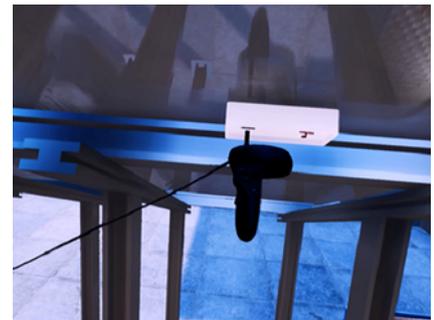
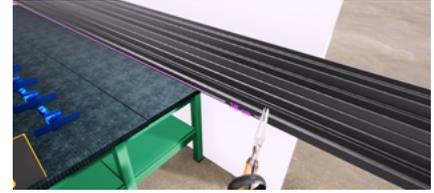
ASFAN introduces the Vocational Training Library, a cutting-edge virtual reality training platform that transforms traditional vocational education. This interactive, 3D experience simulates real-life work environments across various essential trades—helping learners master critical skills in a risk-free, cost-effective, and engaging manner.

Whether you're training a plumber, HVAC technician, or solar engineer, ASFAN's VR scenarios offer safe and repeatable training aligned with real-world standards.



# Key Benefits

- Zero-Risk Safety: Practice high-risk procedures safely
- Real Tools, Real Techniques: Simulates actual equipment and steps
- Performance Tracking: Monitor accuracy, speed, and error rates
- Dual Language: Arabic and English content with expansion capability
- Modular Design: Train per skill or full job process
- Multi-Platform: Works on standalone VR headsets and PCs connected to VR .
- Flexible Deployment: Use in institutions, companies, or remote settings





## **VR Training Modules & Scenarios**

# Virtual Reality In Gypsum Board



Virtual reality (VR) is transforming gypsum board training by providing an immersive, hands-on learning experience without the need for physical materials. With VR simulations, trainees can practice installation techniques, cutting, framing, and finishing gypsum board in a fully interactive digital environment.

## Key Experiences:

1. Slab Installation
2. Double Slab Installation
3. Wall Linings & Panel Fixing
4. Mechanical Plastering with Machine Tools
5. Safety Assessment Simulation

## Learning Outcomes:

- Measure, align, and fix slabs
- Operate power tools safely
- Understand layout and sealing techniques





# Virtual Reality in Formwork Training



Virtual reality (VR) formwork training is revolutionizing the way construction professionals learn and master their craft. By immersing trainees in a simulated environment, VR allows them to practice formwork assembly and disassembly without the risks associated with real-life scenarios.

Designed for workers building reinforced concrete structures.

## Key Experiences:

1. Ring Formwork
2. Staircase Formwork
3. Slab Formwork
4. Executive Drawing
5. Exercise Health and Safety Test



## Learning Outcomes:

- Install formwork for foundations and decks
- Identify load paths and form types
- Read construction drawings confidently

# Electrical & Solar Energy Systems

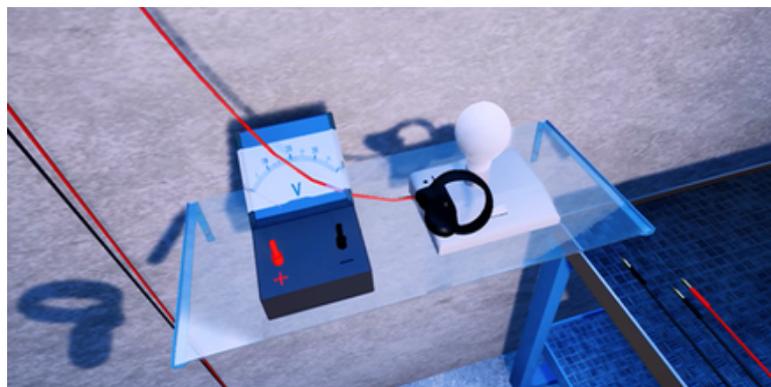
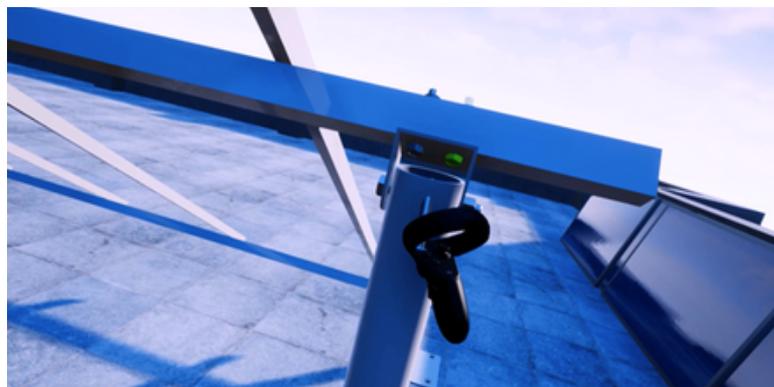
Virtual reality (VR) is revolutionizing training in the electrical and solar energy sectors by providing immersive, hands-on experiences that enhance learning efficiency and retention. Trainees can engage with detailed 3D simulations that replicate real-world scenarios, allowing them to practice installation, maintenance, and troubleshooting procedures for electrical systems and solar panels without the risks associated with live environments.

## Key Experiences:

1. Mechanical Works
2. Series and Parallel Circuit
3. On-grid System Connection
4. Off-grid System Connection
5. Exercise Health and Safety Test

## Learning Outcomes:

- Assemble solar units
- Connect inverters and batteries
- Ensure correct system integration



# Virtual Reality in HVAC Training

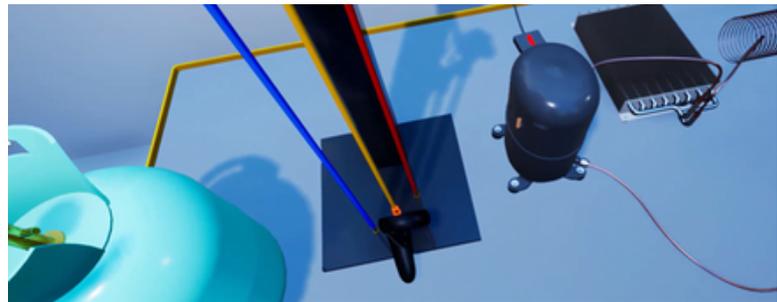
Virtual reality (VR) HVAC training is revolutionizing the way technicians acquire essential skills in heating, ventilation, and air conditioning systems. By immersing trainees in realistic 3D environments, VR allows them to practice installing, repairing, and troubleshooting HVAC equipment without the risks and costs associated with real-life scenarios.

## Key Experiences:

1. Disassembly & Installation of Mechanical Capacitors
2. Split Air Conditioner Installation
3. Welding Oxy Acetylene Station
4. Discharging & Charging the Refrigeration Circuit
5. Exercise Health and Safety Test

## Learning Outcomes:

- Proper use of AC gauges
- Copper pipe cutting and bending
- Leak testing and refrigerant handling



# Virtual Reality in Plumbing Training



Virtual reality (VR) plumbing training is a groundbreaking approach that transforms how aspiring plumbers learn essential skills. By immersing trainees in realistic 3D environments, VR allows them to practice installing, repairing, and troubleshooting plumbing systems without the risks associated with real-life scenarios.

## Key Experiences:

1. Installing the Solar Heater
2. Electric Heater Installation
3. Extension of Hot and Cold Water Network
4. Cutting & Straightening Steel Pipes

## Learning Outcomes:

- Identify fitting types
- Use threading and joining tools
- Build complete bathroom or kitchen layouts





## Virtual Reality in Housekeeping ( 1 EXPE )

Virtual reality (VR) is transforming the way housekeeping professionals are trained, offering an immersive and interactive experience that enhances learning efficiency and skill development. Through VR simulations, trainees can practice essential housekeeping tasks in a realistic yet risk-free environment.

### The Benefits of Virtual Reality in Housekeeping:

- Realistic Training Scenarios
- Improved Skill Development
- Safety and Efficiency
- Cost-Effective Learning



# Virtual Reality In Car Tires Maintenance ( 1 EXPE )

As vehicles become more complex with advanced technologies, understanding car maintenance has become increasingly challenging for both professionals and enthusiasts. Traditional training methods often involve hands-on practice in workshops, which can be limited and sometimes hazardous. Enter Virtual Reality (VR), a transformative tool that promises to revolutionize car maintenance training. This blog explores how VR is enhancing the learning experience for aspiring mechanics, providing them with the skills and knowledge needed to succeed in a modern automotive landscape.

## The Benefits of Virtual Reality in Car Tires Maintenance:

- Immersive Learning Experience
- Safe Environment for Experimentation
- Realistic Simulations
- Instant Feedback



# Virtual Reality Simulator for Electric Vehicle Maintenance



ASFAN introduces a cutting-edge Virtual Reality (VR) training simulator designed to revolutionize the way electric vehicle (EV) technicians are trained. It provides an immersive, interactive, and safe learning environment—eliminating the need for real vehicles or physical tools.

## What the VR Simulator Offers

 Standalone VR

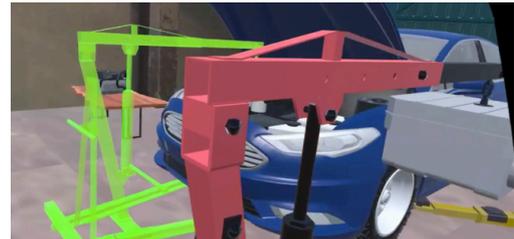
 PC VR

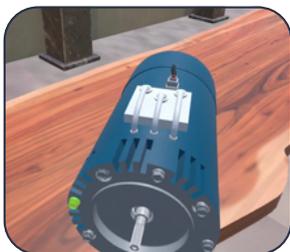
 Unity

### **27 Interactive Scenarios in 5 Key Modules:**

 Languages:  
EN, AR

-  **Basic Maintenance:**  
Battery tests, dashboard indicators, diagnostics, lockout, ADAS systems
-  **Charging Systems:**  
AC charging and DC fast-charging simulations
-  **High-Voltage Battery Handling:**  
Safe removal, failure diagnostics, voltage testing
-  **Assembly & Disassembly:**  
PM/SM motor assembly, hub motors, EV conversion
-  **Vehicle Safety:**  
High-voltage protocols, tool usage, EV accident simulations

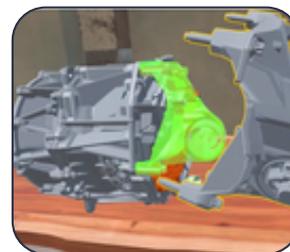




**Async Motor**



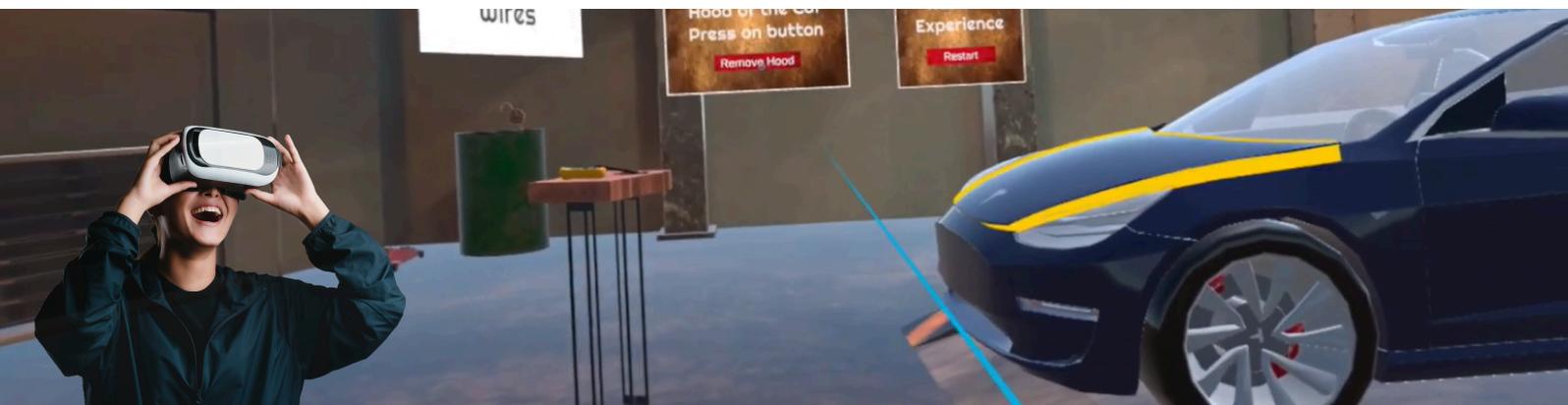
**HUB MOTOR**



**PMSM MOTOR**

### Key Features:

- ✓ Safe and risk-free learning environment
- ✓ Compatible with VR headsets and desktop computers connected to VR .
- ✓ Bilingual content (Arabic and English)
- ✓ Real-time trainee monitoring and performance tracking
- ✓ Significant cost savings for training centers
- ✓ Hands-on practice without real EVs





<b>Gypsum Board</b>	Double Slab Installation, Mechanical Plastering, Wall Linings, Slab Installation, Safety Test ( 5 EXPE )
<b>Formwork</b>	Ring, Staircase, Slab Formwork, Executive Drawing, Safety Test ( 5 EXPE )
<b>Electrical &amp; Solar Energy</b>	Mechanical Works, Series/Parallel Circuits, On-/Off-grid System, Safety Test ( 5 EXPE )
<b>HVAC</b>	Capacitor Handling, Split AC Install, Oxy-Acetylene Welding, Refrigeration, Safety Test ( 5 EXPE )
<b>Plumbing</b>	Solar Heater, Electric Heater, Water Network, Pipe Cutting/Straightening ( 4 EXPE )
<b>Housekeeping Services</b>	General housekeeping VR scenarios ( 1 EXPE )
<b>Car Tires Maintenance</b>	Tire maintenance procedures in immersive VR ( 1 EXPE )
<b>Electric Vehicle Maintenance</b>	training simulator designed to revolutionize the way electric vehicle (EV) technicians are trained ( 27 EXPE )

## Why Choose ASFAN?

- One of the region's pioneers in VR training for electric vehicles
- Based in Jordan with full local support and Arabic/English content
- Proven track record of deploying high-quality technical training solutions across industries
- Flexible packages for institutions, companies, and individuals

## Get Started Today

For more information, demo scheduling, or consultation:



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**ASFAN - Building the Future of Technical Training through Immersive Virtual Reality Solutions**



# ASFAN

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