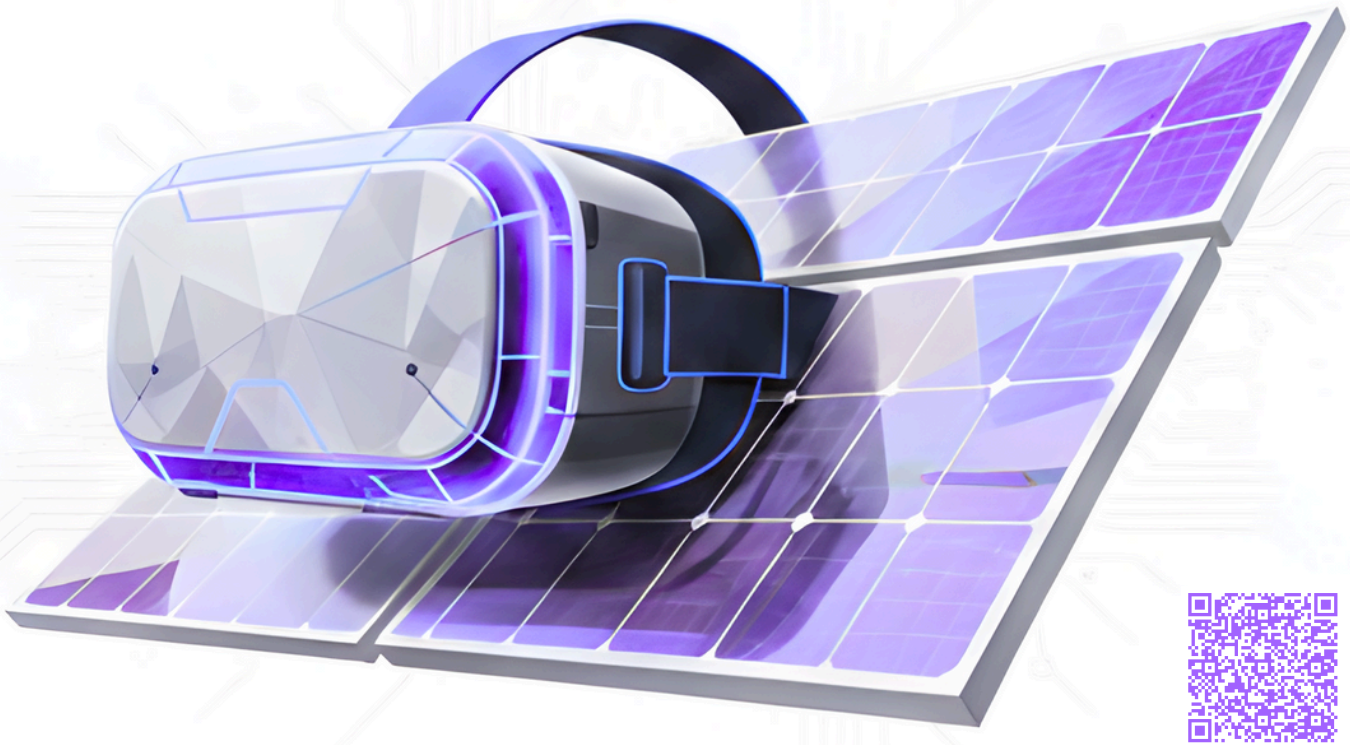
ASFAN
REALITY

VR SOLAR PANEL
ADVANCED INSTALLATION



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our website

Virtual Reality Electrical & Solar-Energy Training

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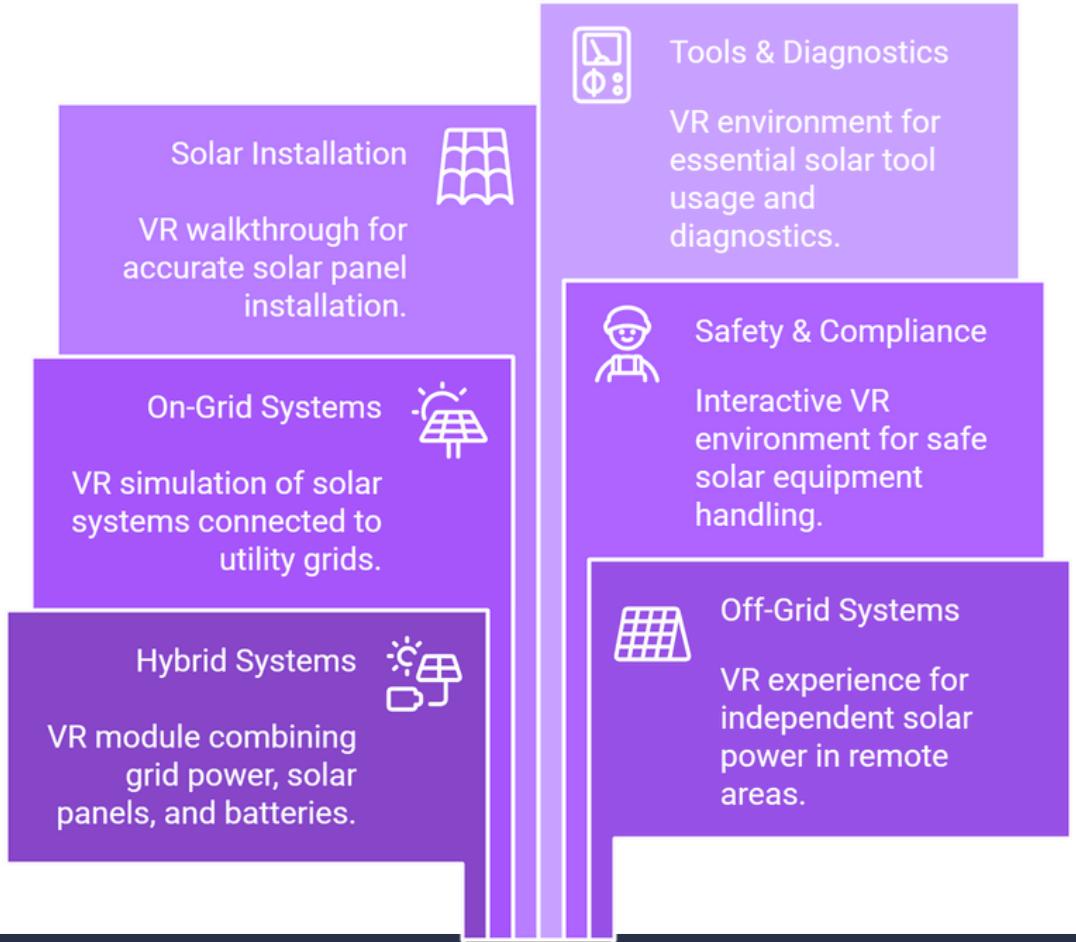
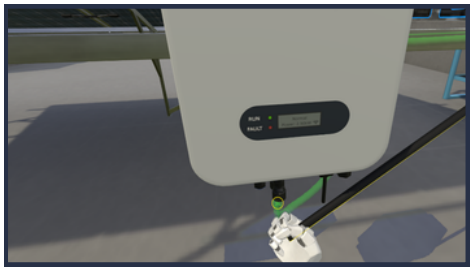
Virtual Reality Electrical & Solar-Energy Training

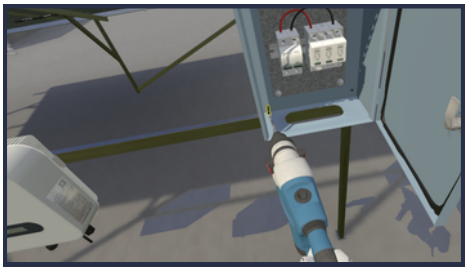
This project delivers a complete VR training suite that simulates real electrical and solar-energy environments with full installation, safety, and diagnostics workflows. Trainees can practice every step — from system design to commissioning — inside an interactive, risk-free virtual space.

The solution helps companies improve technician skills, reduce training costs, avoid equipment damage, and ensure safer, more accurate installations before technicians go on-site.



1. On-Grid Systems





Learners complete the installation of all components needed to connect the solar system directly to the national power grid. In this module, the entire energy produced by the system is delivered to the government through the grid connection.

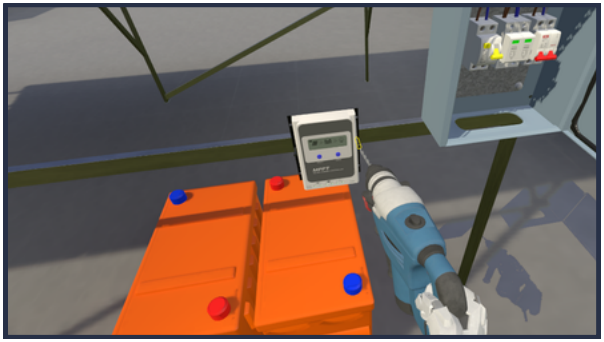
The experience shows trainees how the system links to the utility safely and efficiently, ensuring proper operation and stable energy transfer.

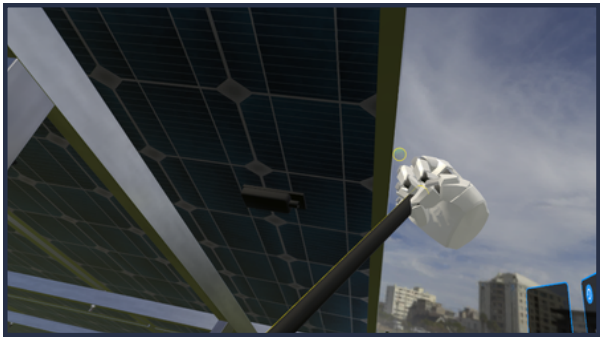
2. Off-Grid Systems

Build an independent solar power solution.

Here, learners install the components needed to operate the system without any grid connection. The module focuses on batteries, charge controllers, and load management for private or remote applications.

This experience helps trainees understand how off-grid systems maintain continuous power and operate reliably in isolated environments.



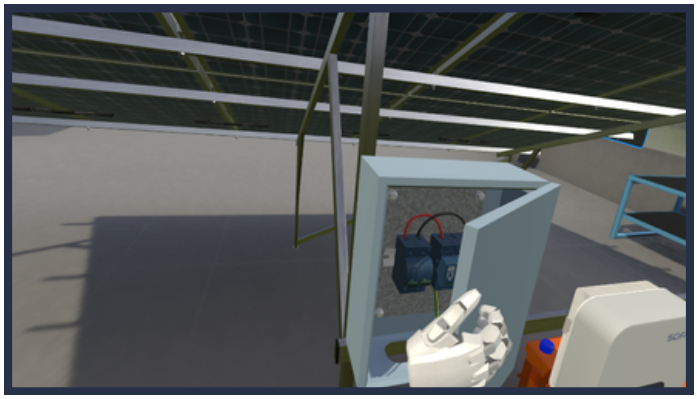


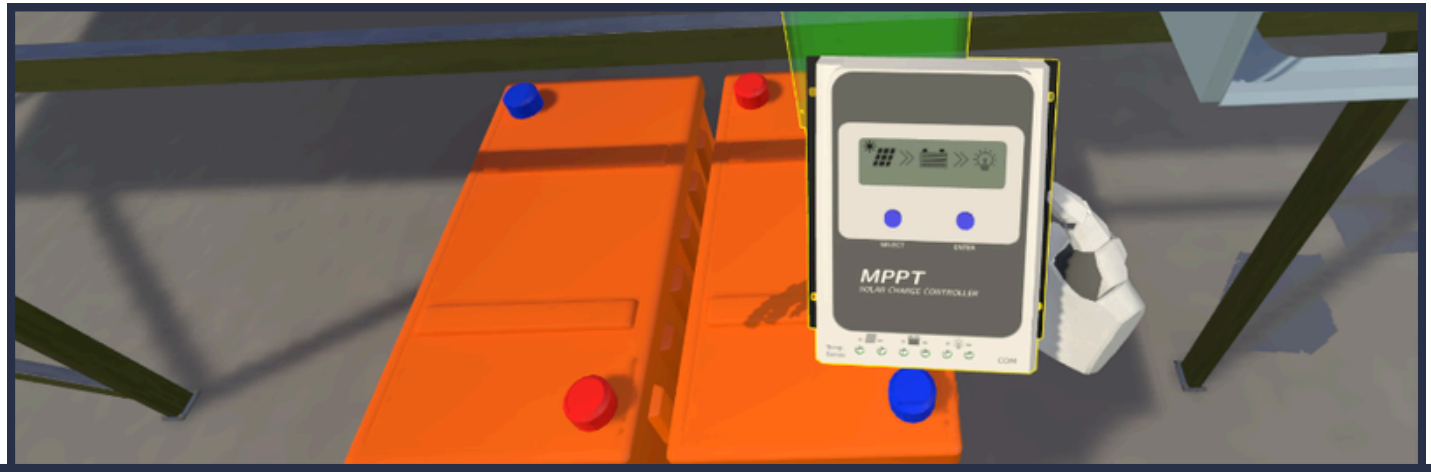
3. Hybrid Systems

Combine grid and off-grid functionality.

Trainees complete the installation of additional components to create a hybrid system—powering private loads while sending excess energy back to the grid. This module highlights flexibility, energy balancing, and dual-mode operation.

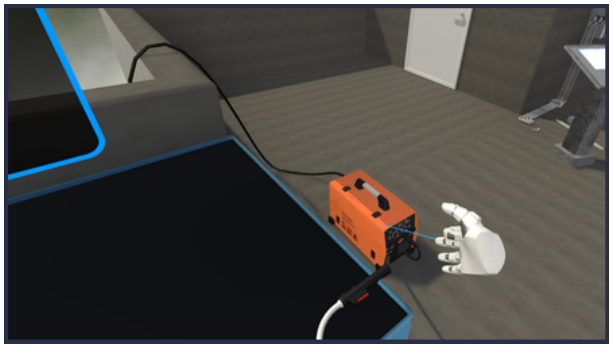
It gives learners a clear view of how hybrid systems switch seamlessly between sources and maintain stable performance in different conditions.

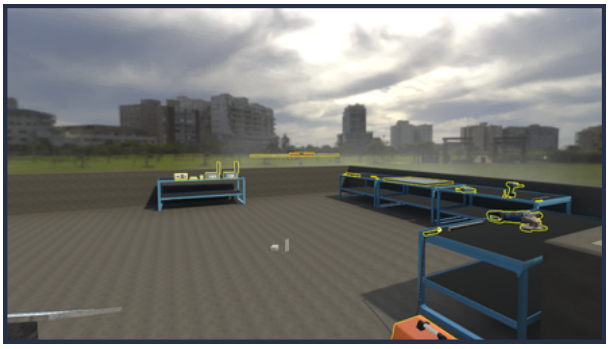




4. Tools & Diagnostics

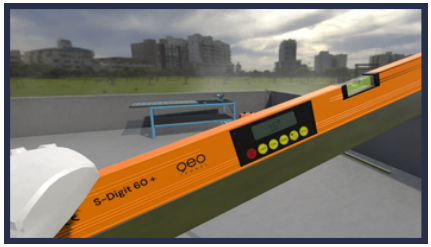
Learners explore all solar system parts and the tools needed. A short interactive tutorial teaches basic tool skills such as welding small metal pieces or cutting test material. This prepares the trainee for the full installation process.
This initial walkthrough helps build confidence and ensures that learners are familiar with essential tools and components before moving into more advanced practical steps.

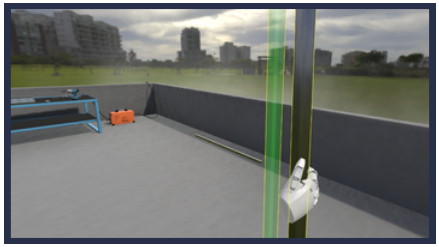


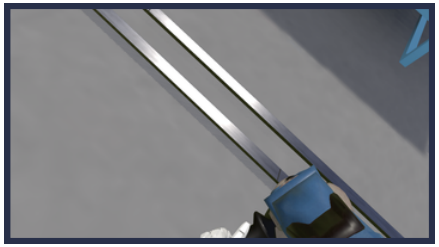


5. Solar Base System Installation

Build the foundation of a solar installation.
Learners assemble the mounting base that supports the solar panels, using cutting, welding, and fastening tools. This module focuses on correct measurements, alignment, and tool handling to ensure a stable and durable structure.





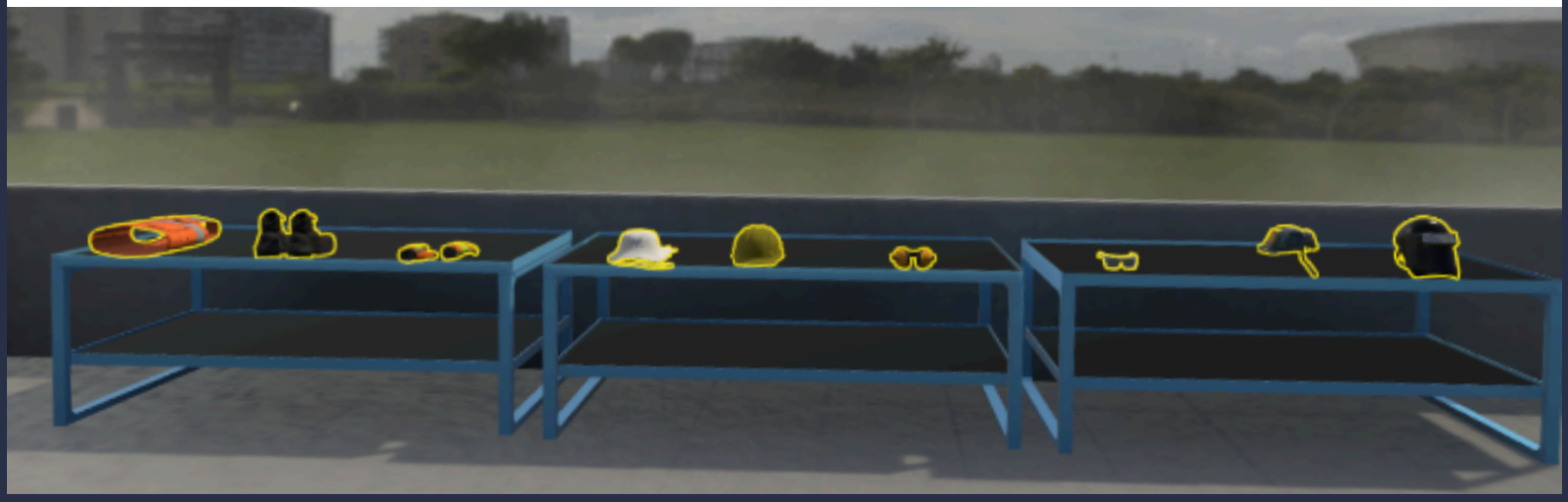


6. Safety & Compliance

Master essential safety procedures

This experience introduces all required protective gear—helmets, gloves, goggles, harnesses, and electrical safety tools. Interactive info panels and voice guidance explain the purpose of each item and how to use it before any installation work begins.

This ensures that trainees understand the basics of personal protection and safe behavior before entering any practical task.



ASFAN

What This Project Delivers to Clients

- Highly realistic VR simulations for solar & electrical training
- Better workforce readiness before real installations
- Lower training costs and improved safety
- Consistent, standardized learning for all technicians
- Scalable modules suitable for vocational centers, companies, and training institutes

Why ASFAN?

- Global-standard VR & 360° solutions.
- Designed for learners of all ages and skill levels.
- Scalable and customizable packages.

Get Started Today

For more information, demo scheduling, or consultation:

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