

A3.3 Creating the Job-Portrait For VR Simulations key jobs needs



ELECTRICAL ELECTRONICS /IT TECHNICIAN

Country: Cyprus



CORE SKILLS

- Diagnose, install, and repair electronic and network systems
- Interpret technical schematics and use diagnostic tools
- Ensure compliance with safety standards
- Communicate effectively and adapt to new technologies

HOW XR ENHANCES TRAINING

Training Scenario	VR Benefit
<ul style="list-style-type: none"> • Complex assembly/disassembly • Diagnostics and repairs • Hazardous equipment handling 	<ul style="list-style-type: none"> • Step-by-step guidance • Interactive troubleshooting • Safe, risk-free practice



COUNTRY-SPECIFIC

- **Challenges:** Limited advanced training options, shortage of skilled technicians, and slow adoption of new technologies.
- **Training Availability:** Basic vocational courses available locally; few programs on modern technologies like EVs; mainly employer-led training
- **Needs:** More hands-on and tech-focused training, upskilling in electric/hybrid systems, and stronger industry-education partnerships.



CAREER PATHWAY

Progression: Trainee Technician → Qualified Technician → Senior Technician / Field Service Specialist → Systems Engineer / Network Administrator / Electrical Supervisor (with further study or certifications) → IT Manager



TRAINING

- **Training Mode:** Blended learning combining online theory, VR simulations, and hands-on lab or industry placements.
- **VET Providers:** Public vocational institutes (e.g., technical schools), trade and technology training centres, industry employers (electrical firms, IT companies, electronics manufacturers), and regional skills hubs.