

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



AUTOMOTIVE VEHICLE TECHNICIAN / MAINTENANCE



Country: Cyprus



CORE SKILLS

- **Technical Expertise:** Engine repair, diagnostics, electrical systems, routine maintenance
- **Problem Solving & Precision:** Accurate fault finding, attention to detail, safety compliance
- **Customer & Workflow Skills:** Clear communication, time management, teamwork

HOW XR ENHANCES TRAINING

Training Scenario	XR Benefit
<ul style="list-style-type: none"> • Complex mechanical procedures • Step-by-step builds • Tool usage 	<ul style="list-style-type: none"> • Hands-on repetition without wear on real parts • Visual, guided instructions • Practice with virtual tools



COUNTRY-SPECIFIC

- **Challenges:** Cyprus faces limited access to advanced training, a shortage of skilled technicians, and slow adoption of new automotive technologies.
- **Training Availability:** Most training is basic and local, with few modern or EV-focused programs, often relying on employer-led initiatives.
- **Needs:** There is a strong need for hands-on technical training, EV/hybrid upskilling, and better collaboration between industry and education.



CAREER PATHWAY

Progression: Apprentice Mechanic → Junior/Qualified Mechanic → Automotive Technician → Workshop Supervisor → Garage Owner / Specialist Engineer (with additional certifications or higher education)



TRAINING

- **Training Mode:** Blended learning (theory online + VR simulations + hands-on workshop placement)
- **VET Providers:** Public VET Institutes, Automotive employers (e.g. dealerships, service centres), Regional technical training centers.

