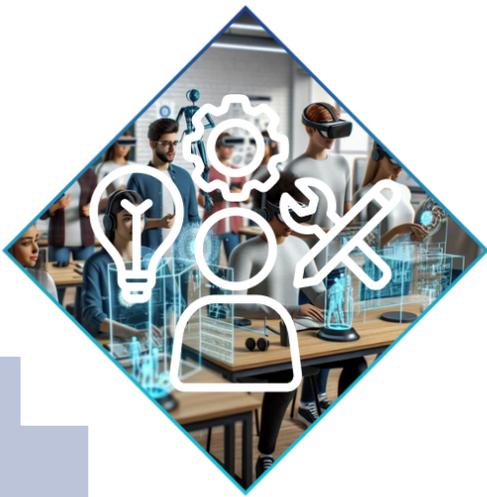


## A3.3 Creating the Job-Portrait For VR Simulations key jobs needs



# ELECTRICAL ELECTRONICS /IT TECHNICIAN

**Country: Spain**



### CORE SKILLS

- Conduct high-level systems analysis and predictive maintenance using advanced telemetry and digital twinning tools.
- Implement energy-efficient electrical solutions and green IT practices in accordance with EU environmental directives.
- Deliver rapid-response troubleshooting for local networks and complex circuitry in high-pressure environments.

### HOW XR ENHANCES TRAINING

Training Scenario	XR Benefit
<ul style="list-style-type: none"> <li>• Remote server rack configuration and PC assembly</li> <li>• Cybersecurity and IT infrastructure simulations</li> <li>• Realistic wiring and installation of electrical/electronic components</li> </ul>	<ul style="list-style-type: none"> <li>• Real-time spatial mapping of high-voltage components without physical hazard</li> <li>• Precision feedback for delicate assembly tasks in a digital space</li> <li>• Knowledge transfer and synchronized team problem-solving</li> </ul>



### COUNTRY-SPECIFIC

- **Challenges:** Spain faces a geographic digital divide, with advanced XR resources concentrated in urban hubs, leaving rural VET centers with infrastructure gaps.
- **Training Availability:** Limited structured programs & access to online resources, industry-specific applications.
- **Needs:** Standardization of virtual certification and increased subsidies for SMEs to adopt XR-assisted training.

### 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 (theory online + VR modules/simulations + hands-on lab or industry placement)
- **VET Providers:** Specialized Integrated Vocational Training Centres, Chambers of Commerce, Technology and trade training centres, Industry employers (e.g., electrical firms, IT companies, electronics manufacturers), Regional skills and training hubs