







INNOVATION GARAGE OF GARAGES

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Getting started

with troubleshooting

IG2 project started with Output #1, an open & transferable VET Train-the-trainers program, to combine work-based training



programs with the real automotive workplace practices.

The IG2 Pilot Learning Model envisages more phases of implementation:

- -Design of the practical experience within the work-based environment, for the sake of developing HEV/BEV skills
- **-troubleshooting** & testing in the workplace
- -assessment & review from a
 technical expert

-Validation through to the students' feedback about the skills gained through the experimentation.

Identification of the **learning goals** is the key to start from.



Target Groups

- ♦ VET Teachers & Trainers
- VET learners, in particular those with less opportunities
- Automotive Technicians skilled about evehicles & avionics circuits
- Dual Learning & Apprenticeship Managers



The basics: safe work with e-vehicles

Handling High Voltage vehicles must always be done with extreme carefullness in exactly applying all the safety procedures.

This is extremely important for keeping operators safe under the **hazard of HV**, which is dangerous for human life.

All partners started training students and apprentices



about how to prepare the work setting when an ecar is nearby, which protection devices each operator must wear nd which sequences of operations must be executed in order to replace or maintain batteries of e-vehicles.

In the pictures below, a few components which partners worked on during the Utrecht meeting in April 2022: devices to check voltage in cars and switches to regulate the electronical circuits of car lights.



Innovation Garage of Garages official YouTube Channel

Experimentations related to **e-vehicles battery** maintenance, replacement and diagnosis are available online. Each VET school is performing **troubleshooting operations** with their students and shooting **video footages**, that will be useful for future trainees or workers willing to gain skills about **electric or hybrid vehicles**.



Meetings: The 4TPM was held in Utrecht, Netherlands, in April 2022 hosted by ROC Midden & Innovam.

PARTNERSHIP

















