



Training: Hydrogen Vehicles Basics



In general

With the introduction of hydrogen powered vehicles, new technologies emerged in the automotive industry. There are also new risks associated with these technologies, which can lead to serious damage and injury if handled incorrectly. In particular the high pressure, the high voltage and the gaseous fuel makes that the risks differ from conventional vehicles and training of service staff is required.

The training is based on the Dutch guideline PGS26 for CNG & LNG vehicles, however specifically adapted to hydrogen vehicles. The training focuses on basic knowledge about hydrogen production, infrastructure and the use of hydrogen in vehicles, building equipment, agricultural equipment etcetera, and is therefore intended for anyone who is interested in hydrogen powered vehicles.

Content training

- History
- Developments of the hydrogen vehicle market
- Gaseous fuels
- Hydrogen as vehicle fuel
- Technics hydrogen vehicle – basics
 - Fuel Cell electric vehicles
 - Hydrogen vehicles with internal combustion engine
- Components hydrogen vehicles – basics
- Practice (if a vehicle is available at all)
- Workshop layout and workshop equipment
- Maintenance and Repair
- Safety
- Regulations
- Infrastructure (hydrogen refueling)
- Calamities
- Questions and answers
- Examination (optional)

Target audience

Vehicle engineers, vehicle mechanics, fleet managers, service station staff, anyone who is interested in hydrogen for vehicles.

Practical information

The maximum number of participants is ten (10). The duration of the training is two half-days (about eight hours in total). Previous education or prior knowledge is not mandatory, but it is useful if there is some general technical knowledge, preferably automotive knowledge.

Location

This training can take place at the client's location or at any location specified by RAP Clean Vehicle Technology.

Working methods

Theory & practice

Certification

An examination and/or certificate is optionally available. The qualification is based on the Dutch Branche Kwalificatie Systeem (BKS).

Qualification according to other national qualification systems (for example German FBHM-099) is optionally available.

Costs

On request