

Subproject Users: Acceptance Study of Pressure Hydrogen

Objectives

The main objective was to investigate the potential future public acceptance of pressure hydrogen applications in transportation sector.

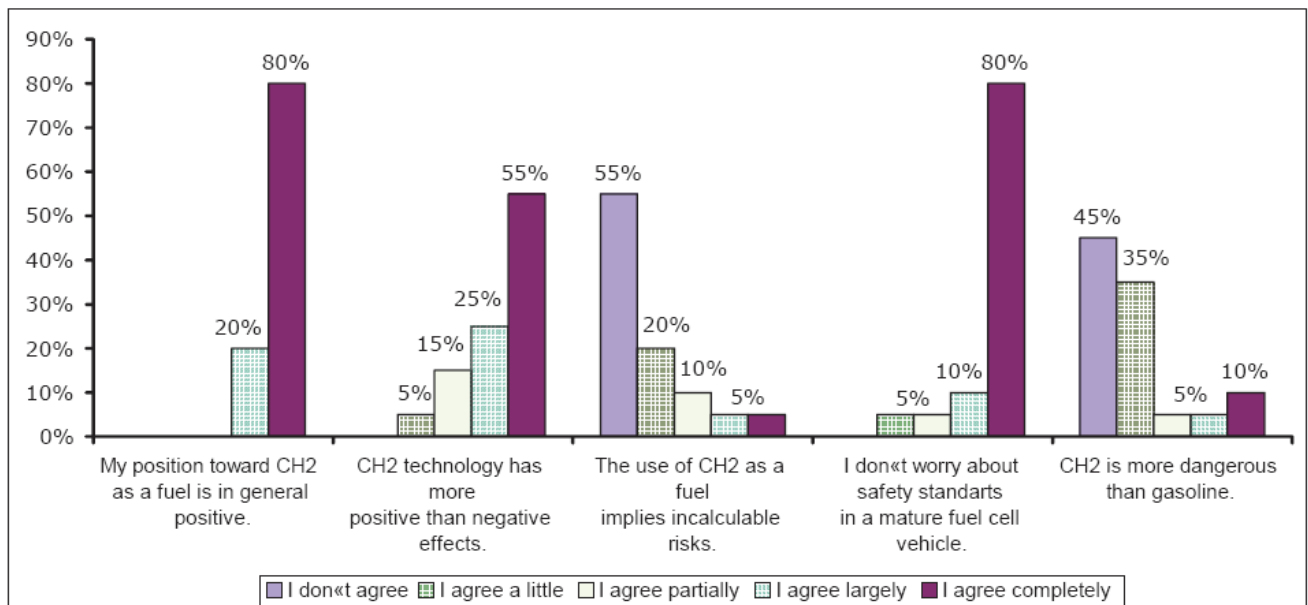
The goals of the acceptance study of pressure vessels were:

- to investigate critical issues, potential problems and supportive factors.
- to develop proposals to assist the design of pilot projects and related communication activities for the gradual diffusion of hydrogen in the mobility sector.

Achievements

An acceptance study of vehicles with high pressure storage systems was carried out, which was focused on interviews with the drivers of the Mercedes 'F-Cell' fleet operated in Berlin. A concept for assessing the acceptance of hydrogen in vehicles was developed applying the method "Information Acceleration". The users / costumers are put into a future context situation to collect data regarding the potential acceptance of products and services. The results of this study show that a vast majority of drivers have no or little concern about the safety aspects of hydrogen technology in vehicles. Their acceptance even increased strongly with the amount of information they were given.

Question: What is your opinion about the following aspects of CH₂?



Future Perspectives

What has to be done to improve the acceptance of hydrogen high pressure storage?

- Implement high level safety standards and certificates
- Improve the cruising range of the vehicles to meet customer needs
- Improve the re-fuelling process
- Intensify the communication of the technology, its advantages and safety measures to win public confidence
- Improve technology education

Partners **DAIMLER**

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