

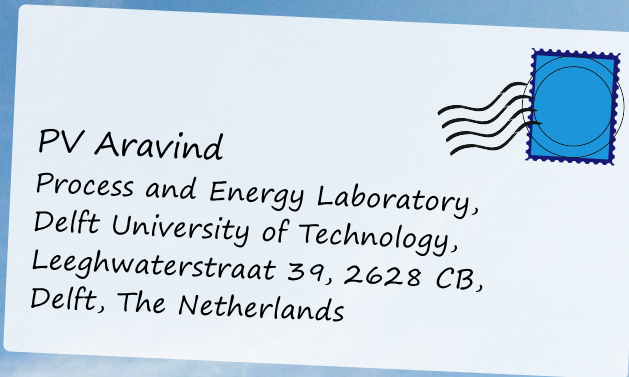
# RATIONALE

It is widely accepted that job opportunities for technicians and workers will arise in the short term for FC&H2 applications, but at the same time there is a lack of training offers for technicians.

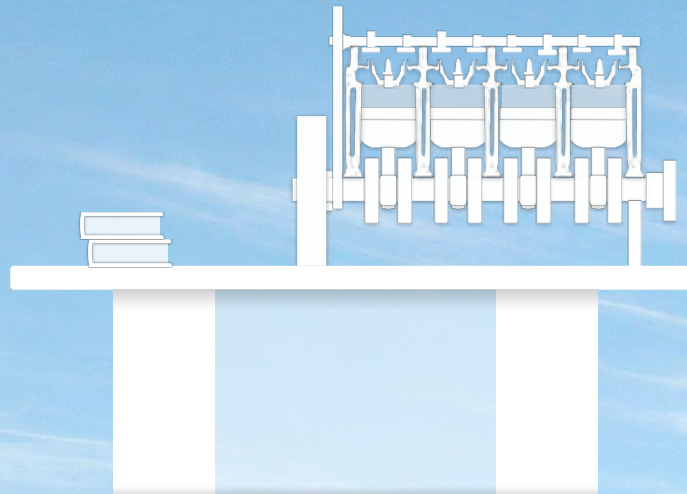
FuelCellToday Industry Review 2010 and the FCH JU HyProfessionals project estimated overall 700 000 jobs by 2020 globally in manufacturing. Including services installation and maintenance, this could potentially represent more than one million jobs. Up to 500,000 jobs will be created in the next decade in Europe alone, which will require the technicians to be equipped with hydrogen-technology skills .



# CONTACT US



+31 152783550  
KnowHy@tudelft.nl  
[www.knowhy.eu](http://www.knowhy.eu)



## TRAINING TECHNICIANS IN THE FIELD OF HYDROGEN AND FUEL CELLS

[www.knowhy.eu](http://www.knowhy.eu)



Co-funded by the Lifelong Learning Programme of the European Union



# APPROACH

KnowHy will prepare one common E-learning platform containing a minimum of five courses, where each course will target one short term FC&H2 application:

- ➔ **Automotive and Material Handling sector**
- ➔ **Hydrogen Production and Handling**
- ➔ **Micro Fuel Cells**
- ➔ **CHP and microCHP**
- ➔ **Fuel cells based Generators (APU and Backup Power)**

Feedback from industry stakeholders were sought to verify appropriateness of the selection of applications.

These courses will be complemented with practical sessions preferably at real working facilities belonging to demo projects (FCH JU funded or national programs).

# GOALS

The primary objective of the KnowHy project is to create a sustainable training offer targeting professionals with:

- ⚙️ **Specific focus on market roll-out applications**, according to the best assumptions from industry.
- ⚙️ **Comfortable format for active technicians**. An E-learning training system will allow workers and technicians more easily to participate in the courses with special emphasis on **Serious Gaming** to help them get acquainted with the idea of real-time learning.
- ⚙️ **Practical training sessions to complement the lessons**. KnowHy will be based on the concepts "learning by doing" and "seeing is believing".
- ⚙️ **Low cost admission fees** so the acceptance of the training program is wider.
- ⚙️ **Easily adaptable to new applications**, scalable and replicable. In case it is necessary the training could be expanded to other local partners.

# FEATURES

- 🔧 An offer of different courses with one common **core module** and **five specialization modules** targeting different applications of FC&H2 technologies.
- 🔧 **E-learning format** with **Serious Games** for most courses.
- 🔧 **7 languages**: English, German, French, Italian, Spanish, Portuguese and Dutch. Attempt will be made to offer the courses in other languages too.
- 🔧 **Practical sessions to reinforce the training**. Sessions will be conducted by FC&H2 experts

