

FAST TRACKING HYDROGEN REFUELING PLANNING

with FilHy by PERSEE

IS FILHY FOR YOU?

For all stakeholders of the refueling value chain

FilHy focuses on Hydrogen Refueling Station (HRS) individually or in networks. Do you seek the best equipment to fit your refueling plans? Do you want to evaluate your own design? Do you care about the most suited supply to maximise HRS performance? Do you plan an increase in use and want to identify options to upgrade your existing infrastructure? FilHy is for you!

HOW CAN FILHY HELP?

Aligning the refueling infrastructure with demand

The acceleration of hydrogen refueling station deployment is a crucial aspect of the transition to hydrogen-based mobility. FilHy acts as a partner for HRS planners and Fleet operators for designing, or selecting the right infrastructure together with a suitable hydrogen supply solution. FilHy is able to provide detailed insights, addressing precise arrival times and refueling requirements.

HOW DOES IT WORK?

Seamless refueling simulations

The complete experience is entirely web-based. It starts with entering or selecting the HRS design and control philosophies. You then generate or import the fleet profiles the station is expected to serve. FilHy offers pre-built demand shapes to facilitate the generation process. Finally you can launch the simulation of the HRS to serve the Fleets on a daily or weekly period. The results consist in KPIs and a detailed view of each component (compressor, storage, vehicle,...).

WHAT'S SPECIAL ABOUT IT?

Pinpointing the levers of refueling performance

FilHy's core algorithm is finely tuned for swift simulations, handling very precise operations in a matter of seconds. This rapid processing speed enables efficient exploration of various combinations involving fleets, hydrogen sources, HRS design configurations, and control philosophies. Several comparison functionalities help assess the relative performance and grasp the levers behind it.

OUTCOME

Progressing H2 mobility

The utilization of FilHy as a tool propels hydrogen mobility, which is still in its early stages, towards a trajectory of ongoing enhancement.

FilHy contributes to making individual project more effective as well as networks of HRS.