



## Industrial Safety

### Hydrogen risk training

#### YOU ARE:

- **Gas infrastructure operators** (transmission, distribution, storage, LNG terminals) wishing to operate hydrogen facilities
- **Hydrogen producer** wishing to visualize the risks associated with a loss of hydrogen containment
- **Engineer in charge of safety studies**
- **Researcher** working on hydrogen R&D facilities
- **Manager of a team** handling hydrogen, wishing to understand the main safety issues associated with this fluid

#### YOUR CHALLENGES

The rapid development of the hydrogen sector is encouraging the launch of new industrial projects. In this context, raising awareness of these new uses among operators in the gas chain is essential to ensure the safe operation of hydrogen installations.

#### OUR RESOURCES

- NaTran R&I has teamed up with CNPP, an expert in risk prevention and control, to create a training course dedicated to operators in the gas chain, in order to meet these new safety challenges.
- Training is provided jointly by NaTran R&I's hydrogen safety experts and CNPP's specialist fire safety trainers. Trainees are confronted with **real-life situations** through exercises based on typical incidents in the gas chain.





## FROM THEORY TO PRACTICE, COMPREHENSIVE TRAINING

The course has been designed to teach the most important pedagogical concepts through theory and to illustrate them through demonstrations on the technical platform.

The course content is broken down as follows:



- Introduction to the hydrogen industry
- Hydrogen characteristics, comparison with natural gas
- Accidentology, feedback and regulations
- Leak and dispersion phenomenology
- Phenomenology of hydrogen ignition
- Demonstration of dangerous phenomena, hydrogen flame detection, and how to
- Exercise to put the trainees in a real-life situation: searching for a flaming leak and bringing the installation to safety.

Training takes place on the premises of our partner CNPP in Vernon, Eure. The number of participants is limited to 10, to ensure the quality of exchanges and the feasibility of real-life situations.

1 day

## OUR REFERENCES: TRAINING THAT'S ALREADY RECOGNIZED

Tested and approved training: **in 2021, the training was given to 60 people** employed by three gas chain industries, with a very high level of satisfaction.

## YOUR CONTACT

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## THEY PUT THEIR TRUST IN US

This hydrogen risk training course was made possible thanks to the support of the following companies:

