



Julie Cren

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Julie Cren has been working on the techno-economic and environmental assessment of hydrogen technologies for 13 years in a laboratory specialising on the optimisation of energy systems (hydrogen, Thermal and Multi-Energy) at CEA Liten, the French research institute for sustainable energy technologies.

After an engineering degree in chemistry and process engineering and a specialised master in “Technology and Innovation Management”, she worked as a design engineer in water treatment for 3 years, then as a process engineer and expert in fluid utilities for microelectronics clean rooms at CEA Leti for 6 years. In 2011, she joined CEA Liten as a project manager in charge of the assessment of energy systems, mainly in the field of hydrogen. She has carried out around thirty evaluation studies as part of research projects funded by the Clean hydrogen JU, the French Research Agency and industrial partnerships, developing parameterised cost and LCA models for hydrogen components such as PEMFC, SOEC/SOFC and high-pressure tank and carrying out application case studies incorporating these technologies.

For the past three years, she has held the position of deputy laboratory manager and acts as an expert within the Liten Institute, providing training and supporting research teams with cost analysis, life cycle assessment and ecodesign tools to solve ecological challenges.