Julie Cren

Deputy Lab Manager & Senior Expert in sustainable analysis of energy systems at CEA Liten

Julie.cren@cea.fr
https://www.linkedin.com/in/julie-cren/

Julie Cren has over 13 years of experience in the techno-economic and environmental assessment of hydrogen technologies at CEA Liten, the French research institute dedicated to sustainable energy technologies and energy systems optimisation (hydrogen, thermal and multi-energy systems).

After graduating in chemistry and process engineering and completing a specialised Master's degree in Technology and Innovation Management, she worked for three years as a design engineer in water treatment, followed by six years as a process engineer and fluid utilities expert for microelectronics clean rooms at CEA Leti.

In 2011, she joined CEA Liten as a project manager responsible for the assessment of energy systems, with a primary focus on hydrogen technologies. She has contributed to around thirty evaluation studies within European and national research projects funded by the Clean Hydrogen Joint Undertaking, the French National Research Agency, and industrial partnerships. Her work includes the development of parameterised cost and life cycle assessment (LCA) models for hydrogen technologies such as PEM fuel cells, SOEC/SOFC systems, and high-pressure hydrogen tanks, as well as application-oriented case studies integrating these technologies.

For the past five years, she has served as Deputy Laboratory Manager and Sustainability Expert at CEA Liten, where she supports research teams through training and expertise in cost analysis, life cycle assessment, and ecodesign methodologies to address environmental and sustainability challenges.

She participated in the first edition of the EHS&CP panel in 2024.