

PRESS RELEASE

December 7, 2021

Université Paris-Saclay signs a collaboration agreement with Elogen, the French leader in PEM water electrolysis

On December 3, 2021, Université Paris-Saclay and Elogen signed a collaboration agreement to strengthen their partnership in the field of PEM water electrolysis, a promising technology for the production of low-carbon hydrogen.

Elogen is the French leader in PEM (Proton Exchange Membrane) water electrolysis, specializing in the design and assembly of electrolyzers to produce green hydrogen.

Université Paris-Saclay has recognized skills and expertise in the field of chemical and electrochemical processes, and in particular, in materials science (electro-catalysis, polymer materials) for the electrolysis of water.

The signing of this agreement marks a new chapter in the partnership between Elogen and the University, which began some twenty years ago with various collaborative research projects.

This agreement will allow Elogen and Université Paris-Saclay to share their means and resources as part of a specific research program dedicated to PEM electrolysis.

The research collaboration will take shape through projects for students at Université Paris-Saclay, through a shared access to the parties' R&D materials (in particular within the ICMMO¹ experimental platform), and through joint participation in doctoral research programs funded by the French National Association for Research and Technology (ANRT), in particular CIFRE theses (Industrial Convention for Training through Research). There are also plans to create a joint laboratory with shared staff.

Jean-Baptiste Choimet, Managing Director of Elogen, said: *"We are delighted with this new step in our historic partnership with Université Paris-Saclay. Elogen has several alumni among its teams, in particular its Innovation Director, Pierre Millet, who was a professor at the University, and researcher at ICMMO (CNRS/UPSaclay). Université Paris-Saclay is at the forefront of global research and has recognized expertise in the field of chemical and electrochemical processes, and more specifically in materials science and the field of electro-catalysis. This expertise will complement that of Elogen's R&D teams, pushing back technological frontiers and accelerating the optimization of PEM electrolyzers' efficiency. The efficiency of electrolyzers is an essential parameter at a time when the drop in the cost of*

¹ Institut de Chimie Moléculaire et des Matériaux d'Orsay (The Orsay Institute of Molecular Chemistry and Materials)

producing hydrogen has become critical to allow for the growth of the hydrogen sector in France and Europe."

Sylvie Retailleau, President of Université Paris-Saclay, added: *"This collaboration with Elogen perfectly illustrates the University's desire to work with businesses to contribute to the socio-economic challenges of our time, and in this case, to low-carbon hydrogen production. The expertise of our researchers, as well as the cutting-edge characterization tools available at the ICMMO experimental platform, should allow for major advances, as part of a long-term relationship built on trust. This partnership will also contribute to the education of our students, by facing them with the scientific and technical questions of the large-scale application of PEM electrolysis."*

About Université Paris-Saclay

Université Paris-Saclay brings together ten constituent faculties and institutes, four Grandes Écoles, the Institut des Hautes Etudes Scientifiques, two associate institutions and shared laboratories with six national research organisations.

With 48,000 students, 8,100 lecturers and 8,500 administrative and technical staff members, Université Paris-Saclay offers a comprehensive and varied range of undergraduate to doctorate level programmes and engineering degrees, renowned for their quality thanks to the reputation and commitment of the University's academic staff.

Located in the south of Paris on vast sites that stretch across Paris, Orsay, Évry and Versailles, Université Paris-Saclay benefits from a strategic geographical and socio-economic position that is strengthened by its international visibility. A leading university, Université Paris-Saclay is recognised for its excellent Mathematics and Physics programmes but also for Biological and Medical Sciences, Agriculture, Engineering, and its extensive Humanities and Social Sciences courses. Close to Paris, Université Paris-Saclay is nestled in a protected natural area, at the heart of a dynamic economic hub.



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About Elogen

Elogen, a technological expert at the service of green hydrogen, develops advanced technologies to design and produce PEM (Proton Exchange Membrane) electrolysers to meet new uses of hydrogen in mobility, industry and energy storage. Elogen, a GTT technology group company, relies on a powerful R&D and a robust manufacturing process to provide its customers with competitive, reliable systems tailored to their needs. The technological solutions developed by Elogen, particularly suited to renewable energies, demonstrate superior efficiency and competitiveness. Visit our website: <https://elogenh2.com/en/>

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