



## Álvaro RAMIREZ SANTOS

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Álvaro is currently the technical manager of the hydrogen value chain at Innoenergy and co-lead of the Industry Decarbonisation field, dedicated to the creation of companies aiming to decarbonize key, hard to abate sectors at industrial level. His responsibilities include providing technical support to build conceptual design studies for new industrial flagships in the steel, fertilizer, aviation, shipping and chemicals sector, build relevant financial models in close cooperation with the commercial and business development team, analyse the business case and prepare a thorough case assessment, provide technical expertise to build a relevant pipeline of green hydrogen technologies for potential investment and contribute to the technical and business due diligence, provide technical support to the business development team enabling to build an offtaker pipeline, support or execute the management of European funded projects and represent Innoenergy in joint work groups on green hydrogen and decarbonization.

Before joining Innoenergy, he worked as research engineer and then as a research program manager within the power-to-x and e-fuel research programs of ENGIE's CRIGEN lab, ENGIE's corporate R&D center devoted to green gases (hydrogen, biogas and liquefied gases), new energy uses in cities and buildings, industry and emerging technologies (digital technology and artificial intelligence, drones and robots, nanotechnologies and sensors).

He holds a PhD degree in process engineering from Université de Lorraine and he is a chemical engineer from Ecole Nationale Supérieure des Industries Chimiques – ENSIC and from Universidad Industrial de Santander. He has worked in the past as research engineer for the Colombian Petroleum Institute (ICP) in the field of unconventional gas resources and as a researcher for the CNRS at the Laboratoire des Reactions et Genie des Procédés (LRGP) on membrane processes. He is the author of several articles in peer-reviewed scientific journals and has been a speaker in various international conferences.