



Matchmaking registration form Green Hydrogen in Uruguay



CINOI

Centro de Innovación en
Organización Industrial

Institution or company name	Centro de Innovación en Organización Industrial (CINOI)			
Institution webpage	um.edu.uy/cinoi			
Other web sites of interest	www.plsuruguay.com			
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Type of institution (please select all that apply)	<i>Public</i>	<i>Private</i>	<i>Academy</i>	X

Short description of your institution/company:

The Center for Innovation in Industrial Organization (CINOI) is part of the Faculty of Engineering of the Universidad de Montevideo and is responsible for all the extension and research activities related with the Industrial Organization field (sustainable operations, continuous Lean process improvement, digital transformation, supply chain management, etc.).

Its main objective is to promote a closer link between the university and the industry, through training, courses, seminars, research, and innovation projects. It seeks to be a reference center in Latin America, whose mission is to promote business sustainability, generating high quality research, executing high-impact projects, and training the professionals of the future.

Your institution provides (please select all that apply)	<i>products</i>	<i>services</i>	X
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Short description of your relevant market, i.e. your relevant product/service and geographic market:

Among CINOI's main activities, it seeks to carry out different training activities (programs and seminars), different areas of extension activities (conferences, workshops, think tanks), and research and innovation projects (through public and private funding, and always trying to add advanced engineering students to participate in them).

Currently, the Center is conducting a research project called "Electric Freight Transportation: Analysis of the challenges for its introduction in Uruguay", which includes both battery electric vehicles and fuel cell electric vehicles. In this project we are thoroughly working in the main characteristics related with the implementation of electric trucks in Uruguay. As part of the project, we are developing a total cost of ownership calculation tool to analyze investments and studying the barriers that companies face when making decisions.

Area(s) of activity (please select all that apply) in connection with Green H2

<i>Hydrogen and other products production</i>		<i>Renewable Energy</i>	X	<i>Transport</i>	X
<i>Logistic</i>	X	<i>Industrial</i>	X	<i>Finance</i>	
<i>Legal</i>					

Expertise areas (please select all that apply)

<i>R&D</i>	X	<i>Technology transfer</i>	X	<i>Technology developer</i>	
<i>Technology end-user</i>		<i>Technology supplier</i>		<i>Investor</i>	

Other: Training and education capabilities to promote awareness and adoption of these new business and operation trends

Main technological capacities and facilities

The CINOI has experience in doing quality research about related topics such as sustainable logistics and transport, energy efficiency in road freight, and comparative analysis regarding the introduction of clean technology and electric vehicles in Uruguay. For example, the Center is developing a web tool for calculating the total cost of ownership of electric trucks. The center is also part of an excellence network in terms of logistics (SCALE network organized by the MIT University), which gives access to quality research in these subjects all around the world. Also, CINOI, as part of the Engineering Faculty of UM, is moving to an entirely new facility, within LATU technological hub, in March 2022. We count with the possibility of involving the Engineering Faculty as well as the advanced engineering students into interesting and challenging applied research project in these subjects.

About the partner(s) you are looking for

Where are you looking for a partner (please select all that apply):

<i>In Uruguay</i>	X	<i>Abroad</i>	Latam region, US, Europe
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Looking for partners in the area(s) (please select all that apply)

<i>Hydrogen and other products production</i>	X	<i>Renewable Energy</i>	X	<i>Transport</i>	X
<i>Logistic</i>	X	<i>Industrial</i>	X	<i>Finance</i>	
<i>Legal</i>					

What kind of partner(s) are you looking for

We are looking for partners with whom, on the one hand, we can complement and deepen our research projects and, on the other hand, colleagues who are considering adopting the technology and need advice to evaluate the total cost of ownership of fuel cell truck fleets. We believe that this subject should be assessed from many points of views, and we believe that from the academy we can contribute the knowledge generated so far as well as we can continue delving further into the subject. We could also contribute in conducting exploratory and prospective research about the main characteristics needed to make these kind of projects in Uruguay.

Which capacities and/or facilities are you looking for

We are looking for partners with experienced knowledge in FCEV's charging infrastructure, especially for long-distance cargo transportation, as well as energy providers. And we also look for companies interested in producing green hydrogen which could be interested in having an academic partner to assess the viability of using this fuel in the logistic's sector.

Date: 29/06/2021