



**Matchmaking registration form  
Green Hydrogen in Uruguay**



<b>Institution or company name</b>	SIE - Electrical Engineering Solutions			
<b>Institution webpage</b>	<a href="http://www.singenieria.com.uy">www.singenieria.com.uy</a>			
<b>Other web sites of interest</b>	<a href="https://www.linkedin.com/in/octavio-rodr%C3%ADguez-guediki%C3%A1n-52a5b997">https://www.linkedin.com/in/octavio-rodr%C3%ADguez-guediki%C3%A1n-52a5b997</a>			
<b>Contact</b> (person, email, phone...)	<b>M. Sc. Ing. Octavio Rodriguez</b> <a href="mailto:singenieria@singenieria.com.uy">singenieria@singenieria.com.uy</a>			
<b>Additional contact</b> (person, email, phone...)	<b>Prof. Paula Ramirez</b> <a href="mailto:management@singenieria.com.uy">management@singenieria.com.uy</a>			
<b>Type of institution</b> (please select all that apply)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> PRIVATE	<input type="checkbox"/>

**Short description of your institution/company:**

We are a consultancy company specialized in the field of studies for electrical engineering. Founded in 2014, our aim is to provide integral solutions for the objectives your company desires to achieve. If you are looking for solutions in the field of electrical engineering, we would perfectly suit your expectations.

**The only consultant company in the country with PSS/E license (software used by operator grid).**

- Electrical grid Studies.
- Green hydrogen connectivity studies
- Renewable energy connectivity studies.
- Power quality.
- Power flow, stability and transients studies.
- Plant models development.
- Project management.

<b>Your institution provides</b>			SERVICES	X
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**Short description of your relevant market, i.e. your relevant product/service and geographic market:**

Focused on the business sector, our clients include multinational construction companies with projects throughout the world and long-standing consulting companies that provide government support to several nations. In addition, we offer our services to international entities that advocate for technological development and equal access to electricity worldwide.

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

<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>	X
<i>Legal</i>				<i>Risk Management</i>	X

**Expertise areas (please select all that apply)**

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

**Main technological capacities and facilities**

Experience has taught us that growth must be constant. With this premise we provide a great number of grid studies and electrical model development, tailored to our clients needs.

Among others, we provide the following services:

**Grid studies:**

- Planning.
- Regional and national compensation.
- Regional and national Losses.
- Short circuit.
- Interconnection studies.
- Protections coordination.
- Frequency and voltage stability.
- User models integration.

**Power Flow studies for big clients:**

- Feasibility.
- Model elaboration.
- Losses.
- Capability curve.
- Compensation.

- Short circuit.

**Electromechanics transients studies:**

- Dynamic model elaboration.
- Model user, creation and setting.
- Frequency and voltage stability.
- Stationary over voltages.

**Electromagnetics transients studies:**

- Dynamic model elaboration.
- Lightning overvoltages.
- Insulation coordination.
- Switch TRV specification.
- Reactor calculation for lines.
- Lines and cables electrical characteristics calculation.

**Power quality studies:**

- Current and voltage harmonics.
- Flicker.
- Voltage variations.

**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>	X
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**Looking for partners in the area(s)** (please select all that apply)

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

**What kind of partner(s) are you looking for**

Multinational construction companies, developers, long-standing consulting companies, investors, international banking entities, financiers and equipment manufacturers.

**Which capacities and/or facilities are you looking for**

We are looking for partners with strong financial and construction skills, with the interest in produce impact developments into the electrical market. For our side we offer a strong technical assistance and more than eleven years of experience working with generation (renewable and conventional), transmission, distribution and large customers.

**Date:** 09/09/2022