

Looking for manufacturer of 100kW-1MW electrolysers for hydrogen production

Summary

Profile type	Company's country	POD reference
Technology request	France	TRFR20230516005
Profile status	Type of partnership	Targeted countries
PUBLISHED	Commercial agreement with technical assistance	• World
Contact Person	Term of validity	Last update
Rita Elste - Tomsone	16 May 2023 15 May 2024	16 May 2023

General Information

Short summary

An innovative French company is designing hydrogen production stations powered by photovoltaic panels and a hydrogen fuel cell. The company is embarking on the manufacture of stations and is currently looking for low-power electrolysers in a range of 100kW-1MW for water electrolysis in order to produce hydrogen. A commercial agreement with technical assistance is sought with a manufacturer of electrolysers.

Full description

The electrolysis of water is an important technology for the production of hydrogen for use as an energy carrier. With fast dynamic response times, wide operating ranges and high efficiencies, water electrolysis is a promising technology for energy storage coupled with renewable energy sources.

As a result, the French company has designed a complete system for producing hydrogen from renewable energies. The company intends to develop their activities and must find a way to expand its manufacturing capacities. The electrolysers will be adapted to the specific needs.

The company is looking an industrial manufacturer partner capable of supplying electrolysers to France with technical support for their implementation.

The company seeks manufacturing partner for a technical cooperation agreement or a commercial agreement with technical assistance.

Advantages and innovations

Technical specification or expertise sought

The sought electrolyzers should range from 100kW up to 1MW.

The sought partner should have expertise in assembly of elements and electrodes in the electrolyzers (stack and cells) and also water treatment, gas compression and purification (complete electrolyser).

Stage of development

Already on the market

Sustainable Development goals

• **Goal 7: Affordable and Clean Energy**

IPR Status

Partner Sought

Expected role of the partner

A commercial agreement with technical assistance is sought with manufacturer of electrolyzers which can supply such an equipment with associated technical support for implementation and maintenance.

Technical cooperation agreement is sought with industrial manufacturer with strong expertise in developing and producing electrolyzers.

Type of partnership

Commercial agreement with technical assistance

Type and size of the partner

- **Big company**
- **SME 11-49**
- **SME 50 - 249**

Dissemination

Technology keywords

- **004002001 - Fuel cell, hydrogen production**
- **04002002 - Hydrogen production**

Targeted countries

- **World**

Market keywords

- **08003007 - Other industrial equipment and machinery**
- **08001008 - Membranes and membrane-based products**
- **08005 - Other Industrial Products (not elsewhere classified)**
- **08002001 - Energy management**
- **06003008 - Other alternative energy**

Sector groups involved