

Slovenian company developing advanced catalytic materials for green hydrogen production and industrial decarbonisation

Summary

Profile type

Business Offer

Company's country

Slovenia

POD reference

BOSI20260324002

Profile status

PUBLISHED

Type of partnership

Commercial agreement
Outsourcing agreement
Supplier agreement

Targeted countries

• **All countries**

Contact Person

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Term of validity

24 Mar 2026
24 Mar 2027

Last update

24 Mar 2026

General Information

Short summary

A Slovenian deep-tech company specialising in advanced catalytic materials for hydrogen technologies and CO reduction is seeking industrial and research partners for commercialisation and joint development.

Full description

A Slovenian high-tech company is focused on the development of advanced catalytic materials for applications in green hydrogen production, electrolysis and industrial decarbonisation processes.

The company develops next-generation catalysts that improve the efficiency, durability and cost-effectiveness of key electrochemical processes, particularly in hydrogen value chains. Its solutions are designed to support the transition to a low-carbon and sustainable energy system, addressing challenges related to energy efficiency, material performance and scalability.

The company operates at the intersection of research and industrial application, combining strong scientific expertise with a clear commercialisation focus. It collaborates with research institutions and industrial stakeholders and aims to scale its technologies for broader market adoption.

Its technologies are relevant for industries such as energy, chemicals, mobility and heavy industry, where hydrogen and electrochemical processes play a key role in decarbonisation.

Advantages and innovations

Development of high-performance catalytic materials with improved efficiency and durability
Contribution to green hydrogen production and CO₂ reduction technologies
Focus on cost-effective and scalable solutions for industrial deployment
Strong R&D background combined with commercialisation potential
Alignment with EU priorities: energy transition, sustainability and decarbonisation
Potential to significantly improve performance of electrolysers and related systems

Technical specification or expertise sought

Stage of development

Already on the market

IPR Status

IPR Notes

Sustainable Development goals

- **Goal 12: Responsible Consumption and Production**
- **Goal 8: Decent Work and Economic Growth**
- **Goal 9: Industry, Innovation and Infrastructure**

Partner Sought

Expected role of the partner

The company is looking for partners who can:

Support integration of catalytic materials into industrial systems (e.g. electrolysers)
Collaborate on pilot projects and demonstration activities
Facilitate market entry and industrial deployment
Engage in joint R&D projects (e.g. Horizon Europe)
Provide expertise in manufacturing scale-up and supply chains

Type of partnership

Type and size of the partner

Commercial agreement

• **SME 11-49**

Outsourcing agreement

Supplier agreement

Dissemination

Technology keywords

Market keywords

• **06010003 - Energy for Industry**

• **06010002 - Energy for the community/public sector**

Targeted countries

Sector groups involved

• **All countries**