

Profile View

Details

Title: A Slovene company dealing with white hydrogen seeks investors and distributors

POD Reference: BOSI20211206002

Summary: The Slovene company, specialized in waste problem solving, converts mixed plastics into hydrogen via syngas with its own proprietary technology. The company is looking for investors through a financial agreement, and trade intermediaries through distribution agreement.

Description: The Slovene company is mainly dealing with solving the waste problem with the help of LTC technology. A LTC technology is low temperature conversion which enables energy treatment of various organic waste such as: plastic, rubber, municipal waste, bone meal, food waste, electronic waste and more. From waste company produces high quality products: hydrogen, synthetic, activated charcoal, various chemicals, biofuels and electricity and heat. The company mission is to convert carbonaceous residues into syngas, and further processing into energy and new materials. Basically, the SME converts plastics into ultra-pure hydrogen and energy. The company converts mixed plastics to hydrogen via syngas with own proprietary technology. The companies' technology is able to process 1t/h, 22h/day and 8000h/year, producing 144kg purest H₂/h. A LTC technology offers effective solutions for highly efficient and environmentally friendly production of energy from organic waste, where environment protection and profit are going hand in hand. Meaning ecological, which enables reduction of CO₂ emissions by 70% and with that treatment of waste even inorganic residues can be recycled. Further profitable with high diversity of acquired products and high profitability of projects. Moreover, clean with practically 100% recovery of organic waste is possible, in a closed system without any exhaust. The company is currently in the process of a capital raise in order to make meaningful gains on scaling new plants. Thus, the company is seeking investors under a financial agreement in order to scale up its production capacity. Besides, the company is always on the lookout for strategic cooperation's globally with trade intermediaries under distribution services agreements.

Advantages and Innovations:

- The company has following advantages:
- The waste problem can be solved completely by gasification of garbage using the LTC technology. With this technology, waste represents a major business opportunity.
 - Potential solving the part of the waste problem with the help of the LTC technology. White hydrogen is a viable way to transform the problem of non-recyclable plastics into a green solution.
 - The company addresses strong ecological aspects, where reduction of CO2 emissions by 70% and with treatment of waste even inorganic residues can be recycled.
 - High diversity of acquired products and high profitability of small and big scale plants/projects are possible.
 - The company offers 100% clean energy, where practically 100% recovery of organic waste is possible, in a closed system without any exhaust.
 - By converting plastics, which are mostly derived from fossil oil, and composed mainly of hydrogen and carbon, to syngas without emission, company produces H2 saving the same amount of fossil fuel and avoiding CO2 emissions.
 - The company adds value to plastics making the economy circular.
 - The company is on the TRL6 technology stage, with several projects around Europe in different stages of development.

Stage of Development: Already on the market

Comments Regarding Stage of Development: Already on the market.

IPR status:: Copyright

Profile Origin: Private (in-house) research

Attachments

 [Slovene_company.pdf \(/tools/services/File/GetAttachment?attachmentID=133504fc-
ea71-4b54-b2f6-558179de1f7f\)](/tools/services/File/GetAttachment?attachmentID=133504fc-
ea71-4b54-b2f6-558179de1f7f)

Description

Keywords

Technology Keywords: 04005010 Integrated waste-energy processes

Market Keywords: 06007001 Other energy production

NACE Keywords: D.35.2.1 Manufacture of gas

Partner Sought

Type and Role of Partner Sought:

The SME is looking for investors under a financial agreement that will help it meet the rising demand for its product. Possible investors could be anything from private individuals to large corporations. The company also is always on the lookout for strategic cooperation's globally with trade intermediaries under distribution services agreements. Trade intermediaries are sought globally and could be anything from small SMEs to larger companies. Possible end-users of the system could be any organization or entity seeking to advance its waste management system, that is, both cities and private companies. The company looks for the following partners:
 For distribution services agreement, the partner should be interested in establishing long term cooperation.
 For financial agreement, the potential investors/partners should believe in the products and are keen to invest to increase the level of production and the placement of the technology in the market. For this reason, a financial agreement is welcomed.

Type and Size of Partner Sought:

>500

>500 MNE

251-500

SME <10

SME 11-50

SME 51-250

Type of Partnership

Distribution services agreement

Considered:

Financial agreement

Client

Type and Size of Client:

Industry SME <= 10

Year Established: 2017

Turnover (euro): <1M

Already Engaged

in Trans-National Yes

Cooperation:

Languages

English

Spoken:

Client Country: Slovenia

Dissemination

Relevant Sector
Groups: Intelligent Energy

