

What is boson energy?

Boson Energy has developed a technology for local energy production by using otherwise non-recyclable waste to produce electricity and green methanol. The green methanol replaces fossil methanol in the chemical and plastics industry, while also meeting the increasing demand in the marine sector.

Can boson change the value of waste?

Boson and our global partners are starting this radical shift, city-by-city, to change the role and value of waste globally. Forever. Siemens and Boson Energy enter agreement to accelerate the green energy transition through waste-to-hydrogen (to-X) technology.

What is boson energy's seal of Excellence?

The Seal of Excellence was awarded to Boson Energy, as part of the European Innovation Council (EIC) grant application process. The Seal of Excellence is... [PRESS RELEASE | 2023-06-29](#) The port of Wallhamn AB on the island of Tjörn plots a course towards local production of energy and green...

Is boson energy a force-fitting technology?

Not at all. Boson Energy is part of a new generation of technologies that are not force-fitted into the energy transition and decarbonisation, but rather built for that very purpose.

Does boson energy have a 'non-recyclable' waste?

Boson Energy wins Hydrogen Production Category at Tech Tour Sustainability 2022 Finals in Essen, Germany. From a field of 800 applying startups, some 400 selected... That means recycling more than 10 million tons of 'non-recyclable' waste - and enough Hydrogen to keep 100,000 zero-emission buses or trucks on the road. Join our journey.

How does boson's thermochemical recycling process work?

Boson's thermochemical recycling process is able to produce up to three times more Hydrogen than originally present in the waste or biomass - by further processing the carbon fraction of the syngas through a combination of Steam Methane Reforming (SMR) and Water-Gas-Shift (WGS).

Boson Energy is targeting more than 300 plants in order to produce 1 million tons of circular hydrogen from waste by 2030 - avoiding up to 30 million tons of CO₂ emissions per year. Starting in Sweden, Poland, and Germany, then continuing throughout Europe, Boson Energy is aiming for a global presence.

Boson Energy is a developer of technology, solutions and projects for recycling otherwise non-recyclable waste and biomass into 1) carbon-negative Hydrogen, H₂-powered fast charging, H₂-powered grid support; 2) green molecules like methanol, ammonia, and urea; 3) green CO₂ to replace fossil CO₂ in vertical farming, food and beverages and other industries; and 4) cell ...

BOSON ENERGY is rolling out the next generation of distributed sustainable waste-to-energy solutions that turn a wide range of mixed and hazardous wastes and biomass into renewable 24/7 Hydrogen and energy for direct local use. Our zero-residues technology also produces value added material rather than toxic ash requiring further treatment.

Boson CCO Heike Zatterstrom presented Boson and Waste-to-Hydrogen-to-X at the Green Innovation in Central and Eastern Europe Epitch hosted by the Solar Impulse Foundation and European Investment Bank.

Boson Energy developed a proprietary technology that "allows chemistry to do its thing" and translate that high temperature chemistry into math, that is then turned into algorithms - for maximum waste flexibility, high yield, automated process ...

Om Boson Energy. Boson Energy SA grundades 2008 och har utvecklat teknologi och system som möjliggör lokal, ren och resurseffektiv återvinning av annars icke återvinningsbart avfall, för att producera kostnadseffektiv vätgas för direkt användning i vätgastankstationer eller vätgasdriven snabbbladdning av elfordon och effektstöd till ...

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L'usine pilote de Boson Energy, la cleantech luxembourgeoise capable de produire de l'hydrogène vert à partir de déchets non recyclables, devait s'installer au Luxembourg. Bientôt dotée de plus de 100 millions d'euros, elle commencera sa ...

Jan Grimbrandt, Founder and CEO Boson Energy SA: The Wallhamn project will allow us to demonstrate all aspects of our vision of circular sector coupling. "It will show the autonomous and dynamic potential of our 24/7/365 system for local production of electricity and green molecules - in phasing out fossil alternatives.

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