

Aangemaakt: 01-01-1970

# Hydrogen New Version

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<http://www.athena-recherche.fr/>

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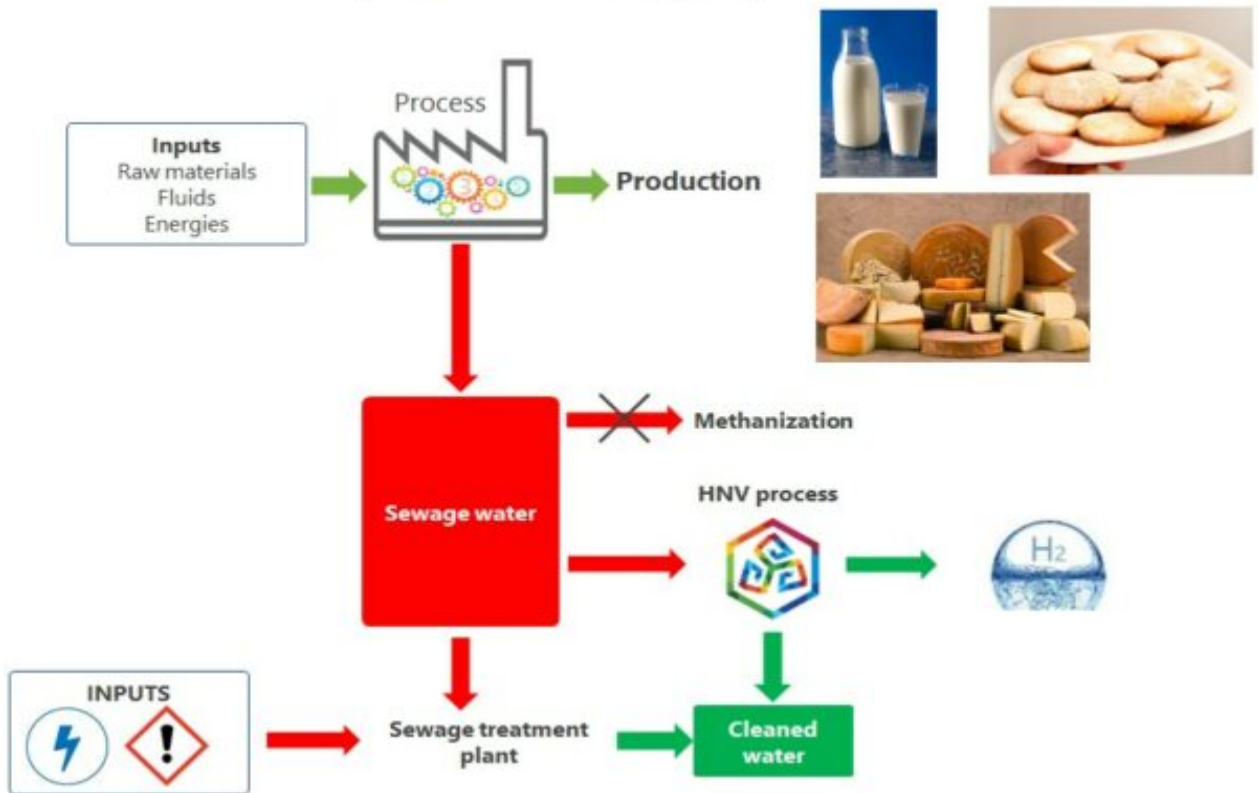
## De Challenge

Sewage water must be cleaned in order to protect rivers and oceans. However, both chemicals and energy are required to do so. Organic materials contained in sewage water provide a source of energy for microorganisms, and a source of inspiration.

## De Solution

An innovative solution aimed at sewage water producers, especially those in the food and drinks industry, transforms waste into hydrogen. It does so via a dedicated bacterium that is capable of growing in sewage water and quickly producing high-quality hydrogen, cleaning the water. No longer a waste product, sewage water can be a source of local, clean, renewable and carbon-free energy.

## Hydrogen New Version principals



## De Businesscase

- A solution capable of creating local hydrogen ecosystems based on a circular economy.
- Lower natural gas consumption for processing and transportation of raw materials (milk, cereals, etc).
- At least 60% reduction of energy required to clean sewage water.
- At least 1,5 litres of hydrogen produced per litre of sewage water.
- Hydrogen produced at a competitive price compared to fossil fuel energy (less than 5€/kg).
- Provides a green image and brand for companies.

## About EIT InnoEnergy

EIT InnoEnergy operates at the centre of the energy transition and is the leading innovation engine in sustainable energy, bringing the technology and skills required to accelerate the green deal, progress towards Europe's decarbonisation goal, and improve energy security. Ranked as Europe's top impact investor in cleantech in 2022, ~~named in 2023 as a top 10 active deeptech investor by Sifted, and recognised globally~~ as the most active sustainable energy investor, EIT InnoEnergy backs innovations

across a range of areas. These include energy storage, transport and mobility, renewables and sustainable buildings and cities – leveraging its trusted ecosystem of 1200+ partners and 29 shareholders.

EIT InnoEnergy is the driving force behind three strategic European initiatives which include the European Battery Alliance (EBA), the European Green Hydrogen Acceleration Center (EGHAC) and the European Solar Photovoltaic Industry Alliance.

[www.innoenergy.com](http://www.innoenergy.com)