Open innovation as EnTranCe to the new energy market

EnTranCe: Centre of Expertise Energy

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• Established in 1798
• Professionally oriented higher education
  - 28,500 students
  - 3300 employees
• 55+ bachelor programs, 18 master programs
  – 22 studies with an energy route
  – 3 energy master programs (one under development)
  – 8 professorships with topic energy
  – Energy testing ground EnTranCe

share your talent. move the world.
Speeding up Innovation

At the Centre of Expertise Energy, we speed up innovations needed for the transition towards a sustainable energy society. We contribute by applied research and education.

HOW?
• An interdisciplinary and multilevel approach
• The establishment of co-ownership from Society
• Involving young people
• Showing options and their impact
• In dialogue with stakeholders
Why?
Versterken regionale economie en werkgelegenheid en onderwijs. Veilig en gezond.

How?
laagdrempelig
dynamisch
open
multidisciplinair
micro - macro = meso
kracht van digitalisering verbonden met de samenleving
een broedplaats waar veel kan en mag

What?
duurzame energiehuishouding
vitale economie
vitaal leven
veilig wonen
voedsel veiligheid
duurzame mobiliteit
Hybrid energy sources: sustainable replacing fossil

Hybrid energy carriers: conversion of gas, power and heat

Hybrid energy market: prosumers meeting large suppliers
MONITOR YOUR ENERGY

To gain insight into your energy use, the first step is becoming aware of what is happening around you. Do you know how much energy you are using today? And what is the collective impact on our behaviour? The Envirtmon app lets you monitor your own energy production, consumption and storage in real-time so you can make more informed energy choices. Some of the insights the app offers are:

SHARE YOUR ENERGY

When you are producing energy and not using it, why not sell it directly to your neighbour? When you are not producing energy, why not buy it directly from your neighbour? You sell the price for which you want to buy and sell your local energy. Envirtmon develops the Envirtmon, a blockchain-based solution to let you do just that: buy and sell energy directly from your local environment. This network works in parallel with the existing infrastructure to ensure you are never out of power.

THE ENERGY IS YOURS

MONITOR | CONTROL | SHARE

CONTROL YOUR ENERGY SYSTEM

Dig deeper in your energy system and balance your own energy production, consumption and storage. Envirtmon is currently developing technology to let several of your appliances ‘talk’ to each other. This way, you can use all of your energy as efficiently as possible.

share your talent. move the world.
• Stercore BV
• Swirlpower
• i-nrg
• NLD
• RioProjects
Energy Venture Lab

https://energyventurelab.com/

• Envitron
• CTA
• Sustainable Buildings
• GridCorn
• SeaCurrent
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