

**“Cleantech Energy
Crossing” Project**

19.09 visit



Seasalt Battery
clean and cheap energy storage

TEN-001 12V-10Ah

Rechargeable Battery
Stand by use

CAUTION
Avoid shorting terminals

Dr Ten

Clean and cheap energy storage

DE ZEEZOUTBATTERIJ
speciale opslag voor
wingsaar blauwe tuip accu's

Dr Ten
Partner in Innovation and Achievement

Mamix ten Kortenaar, PhD
CEO

Postal address
Fazantenlaan 7
8091 BH Wezep
Netherlands

Visiting address
Rondweg 11M



On the 19.09 my colleague Piet and I, on behalf of the Interreg Deutschland-Niederland, met Dr. ten Kortenaar and two members of the KIEMT's Foundation, to be updated on the development of the "Cleantech Energy Crossing" project. KIEMT is part, with EnergieAgentur.NRW, of a **consortium** of more than **30** Small and Medium Enterprises (SMEs), universities and **research** institutions to boost product **innovation** and strengthen the **knowledge transfer** from universities to SMEs.

**But let's take a look
at the project...**



Present challenges to the existing energy infrastructure:

German and Dutch common **issue**: built environment now responsible for the 30-40% of total energy consumption in both countries.

Step towards the **reduction**: INTERREG Deutschland Nederland V Programme's focus on new and renewable technologies (against the existing and often cheaper fossil alternatives).

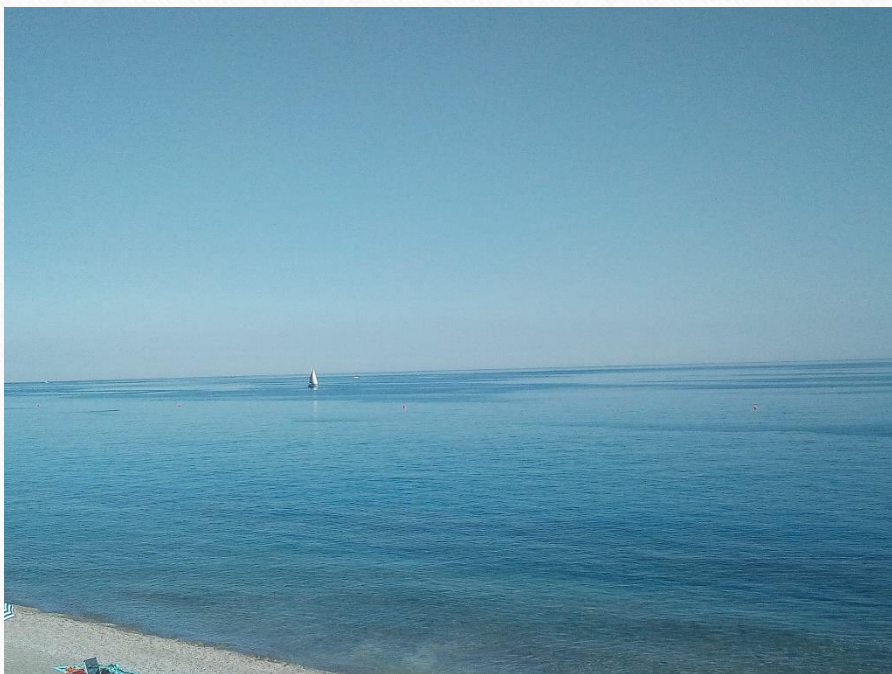
Chance of achievement of the German and Dutch's **climate goals**: development of market-oriented customer products which **reduce** the energy consumption and/or make it more sustainable.

**What do you think it
is?**



Here's some tips...

1.

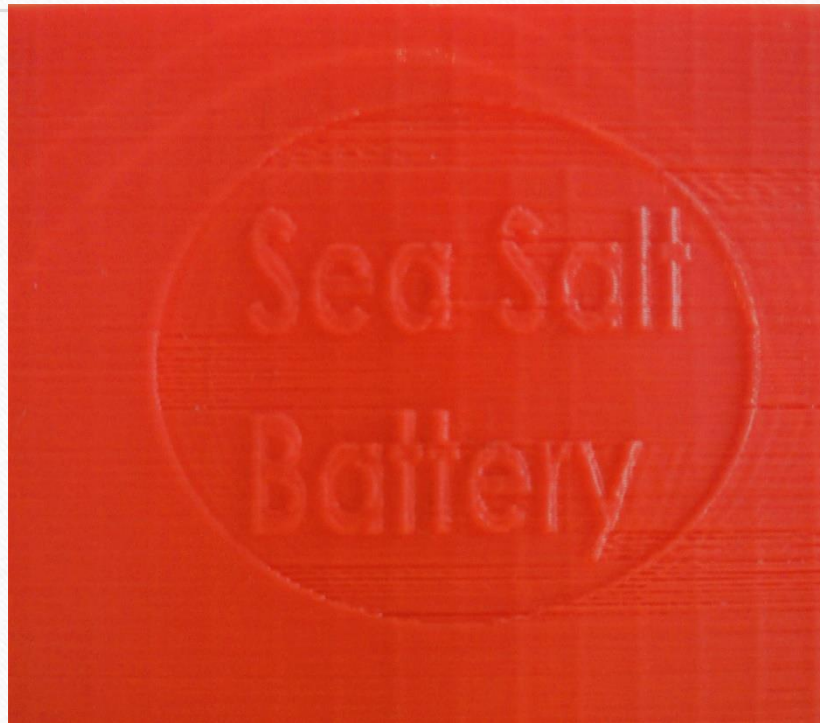


+ 2.



+
3.

**= ... and yes,
it's a**



!

But why is it **important** and **different** from the other kinds of battery (lithium and lead acid batteries)?

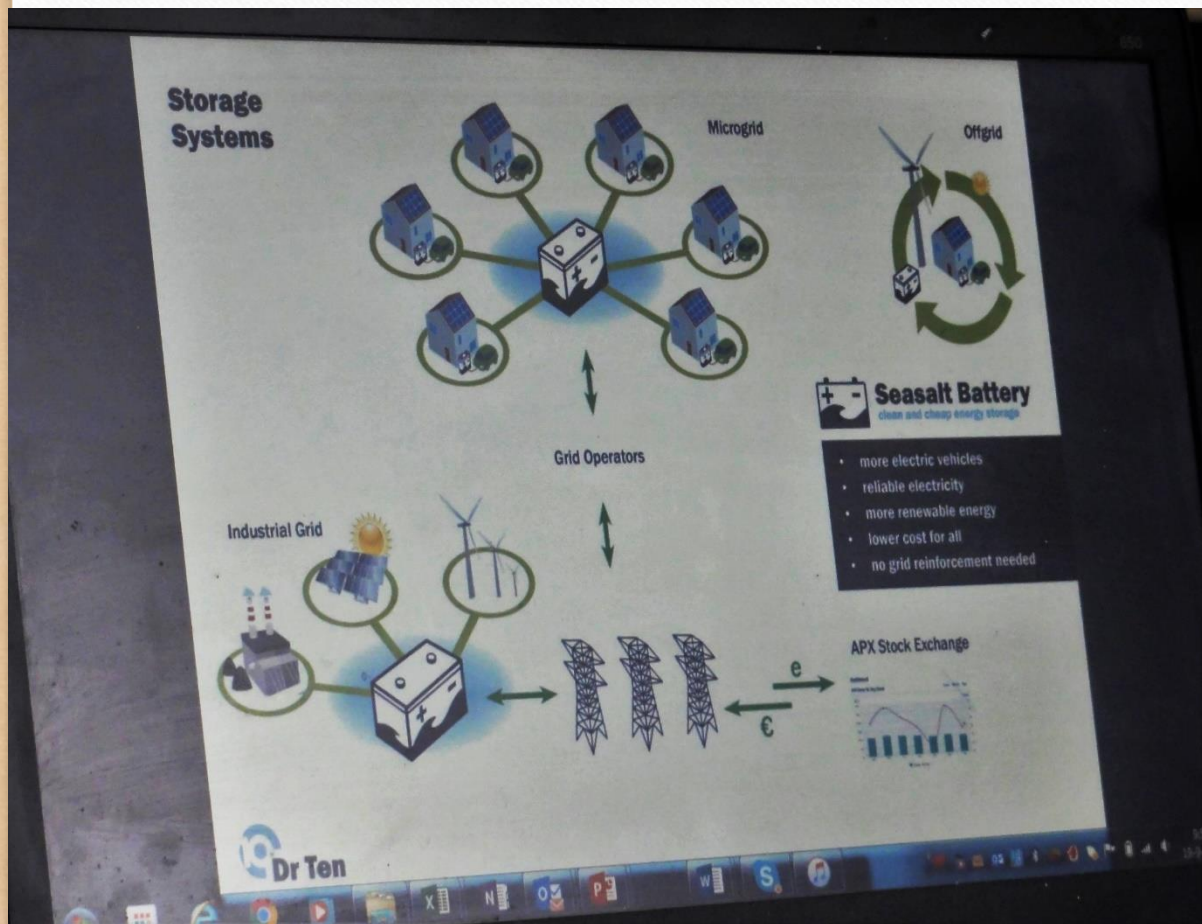


Made with sustainable materials,



it can be used as a clean and cheap energy storage.





Electric vehicles, industries and compounds of houses: the sea salt batteries will be the **engine** of these storage systems.

Sustainability: one of the key guidelines of the “Cleantech Energy Crossing” project.

But:

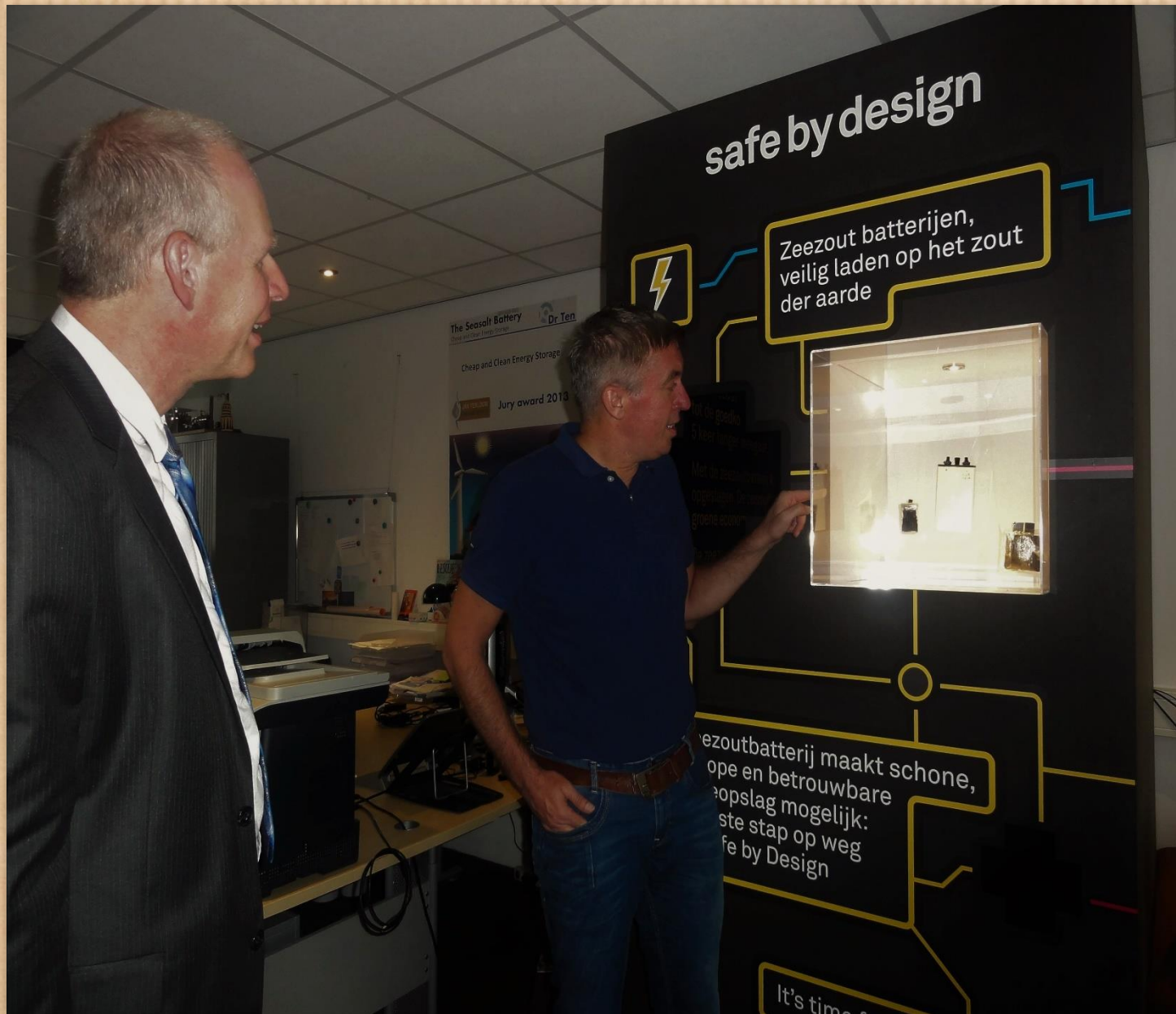
until now materials used to create the batteries from countries all over the world.

So:

following this idea of sustainability, Dr. Kortenaar is now reconsidering the **choice** of **places** as source of the materials, redirecting it towards closer, **European** and **regional** solutions.

This battery won the *Jan Terlouw Innovation price* in 2013 and the *Accenture Innovations Awards* the year after.





The creator of the battery and founder of „DR Ten“, Dr. ten Kortenaar, here's showing it to my colleague Piet Boomsma (Programm-Management INTERREG V A Deutschland - Nederland)

CROSS-BORDER COOPERATION

ENERGY
EFFICIENCY;
SMART FUTURE

GENERATION OF RENEWABLE ENERGY;
and Conversion, Storage and
Distribution of Energy

"Strategic Initiative" Energy/low-CO₂ economy of the
INTERREG V Programme



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- the Nordrhein-Westfalen
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Innovation, Digitalization and
Energy;
- the Dutch Ministry of
Economics;
- the Dutch Provinces of
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Limburg und Overijssel.

For further information, please take a look at
the project's web page:

<https://www.deutschland-nederland.eu/en/project/cleantech-energy-crossing/>



Leyla Michela Tarahomi,
Interreg Reporter for Interreg Deutschland-Niederland
Programme at Euregio Rhein-Waal

