



Department of Economy, Recreation and Tourism



Framework

- Interreg IVB North Sea Programme
- 22 partners from 6 countries
- 11 islands
- knowledge institutes + EPEA
- regional/local governments
- 3,5 jaar: 1 jan. 2009 till medio 2012
- budget Euro 3,6 Million









Islands as labs and testing grounds for sustainable innovations

- demonstration garden for sustainable innovations
- basis for broader implementation world wide



Afdeling Economie, Recreatie & Toerisme

Samso, Denmark

Shetland Islands, UK



Svolvaer, lofoten, N



lelgoland, Germany

THE ORIGIN OF SPECIES

BY MEANS OF NATURAL SELECTION,

ON

OR THE PRESERVATION OF FAVOURED RACES IN THE STRUGGLE

FOR LIFE.

BY CHARLES DARWIN, M.A., FELOW OF THE BOYAL, OBDIOGICAL, LINNAEAN, ETC., SOCHTHES; ANTHOR OF 'JOURNAL OF EDSEADCHES DURING II, M.S. ELAGLE'S VOYAGE BOUTD THE WOLLD.

LONDON: JOHN MURRAY, ALBEMARLE STREET. 1859. De right of Frankalstön är resorval.





The Shetland Islands



Ameland, NL



Why islands

- often depending on external resources
- such as water, energy and materials
- difficult to provide it in a sustainable way
- X factor: enormous amount of visitors
- promotional value



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Cradle to Cradle Islands Let the sunshine in

> Desalination of sea water > Purification and re-use of effluent > Storage of rainwater

> Separation of household waste water

Water

Materials

Energy

> Energy producing Eternal Holiday House > Research Centre on Biopolymers

> Blue Energy

> Solar/Wind/Wave/Tidal

> Mobility (electric scooter) > Energy saving in housing

- > Local C2C material production
- > C2C solutions for marinas and accommodations

Islands as catalysts for new developments and testing ground for sustainable innovations

Transnationality

Cradle to Cradle

Innovations



THE ROLE OF EPEA IN THE CRADLE TO CRADLE ISLANDS PROJECT



- The role as a scientific expert
 - Cradle to CradleSM product development
 - Chemical assement related to Cradle to CradleSM principles
 - The role as a coach
 - Cradle to CradleSM consulting
 - Cradle to CradleSM project management
- The role as a jury
 - Cradle to CradleSM is a protected trademark
 - To secure all projects which call themselves Cradle to CradleSM have to be authorized.



wetsus



sustainable water technology



combining scientific excellence with commercial relevance

BEST PRACTICES – Inventarisatie



DESIGN OF AN ETERNAL HOLIDAY HOME

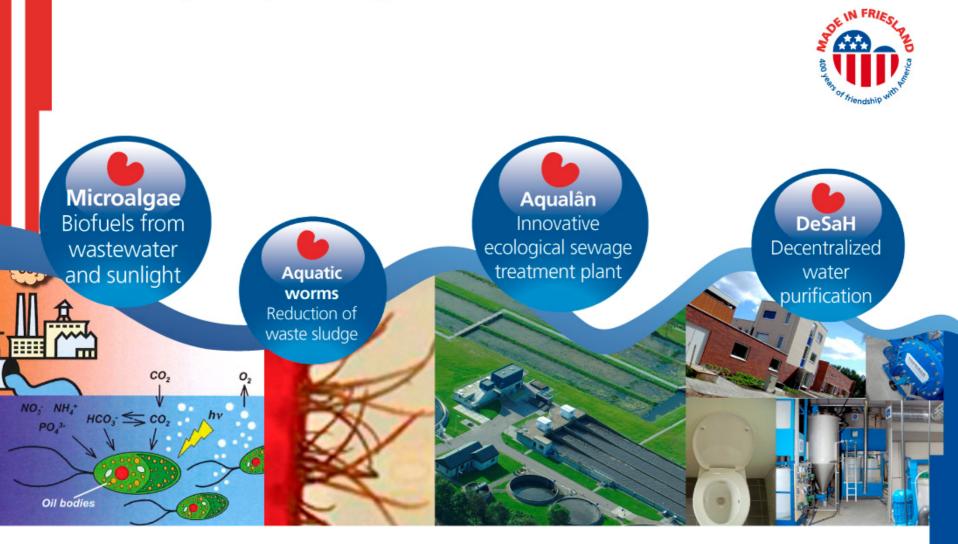


Technische Universiteit Delft



water quality management

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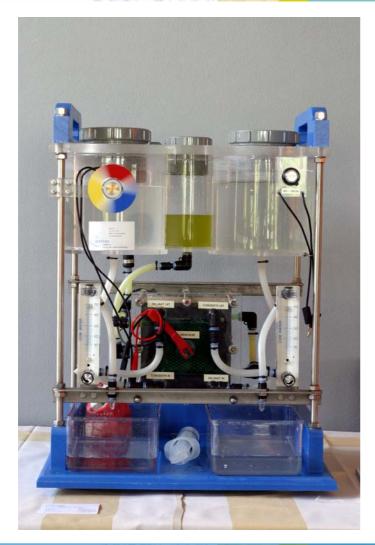




Bron: Grietje Zeeman, Katarzyna Kujawa, Brendo Meulman



Blue Energy: electricity from the mixing of fresh and salt water



1 m3/s river/fresh water into the sea 'yields' 2.2 MW

Applicable?

- discharge of effluent in Wadden Sea
- surplus of surface water to Wadden Sea



NAMES OF A DESCRIPTION as to our website he aptrice

Liberty Science Center, New Jersey • September 9-10, 2009

In Yorg, Captain Henry Huckon an ired in Mee York Harbor and discovered the majority of the Hackon River. Four hundred years talks, on September 3 and so, Hoog Forum will commence take this piceweet ag voyage by exploring water challenges to cing casadal cities in the cost century with expects from both sides of the Allantic. While the focus will be on The Netherlands and the New York/New Jessey metro politize segies, solutions and ideas a taing from the conference will be all coastal clies workheide. The wroat for Hang is the Liberty Science Center, account from the Status of Liberty

CONFERENCE THEMES

- OUR WATERFRONT: BALANCING COMMERCE, NATURE, AND COMMUNITIES
- CHANGING PERSPECTIVES, NEW OPPORTUNITIES FOR URBAIN PLANNING
- IE POLITICS AND FINANCING OF INFRASTRUCTURE
- OLUTIONS OUTSIDE THE BOX; APPLYING NEW TECHNOLOGIES TO WATER
- REEN BRAINS: DRIVING THE ENVIRONMENTAL MESSAGE HOM
- RECRUITING THE NEW GENERATION OF WATER PROFESSIONAL



Friese workshop:

the World

"Decentralized and Self Sufficient Water Systems"











1909 - 2009 100 Year













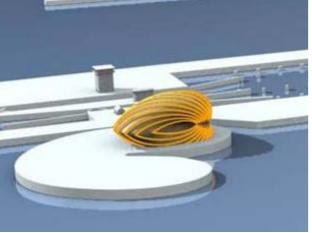
















Annoal

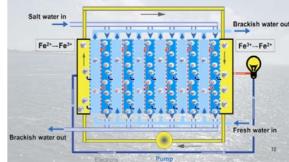






RED

Reverse Electro Dialysis



Values use of Age Reng Ton



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CONTRACTOR REFERENCES

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Thank you for your attention!

