

## Runde, Norway

- **Cradle to Cradle® and sustainability applications in the Runde Environmental Centre building**
- **Promoting integrated Multi-Trophic Aquaculture**
- **Development of wave power test centre**

### Project description on the island

Cradle to Cradle® and sustainability applications in the building of Runde Environmental Centre (REC) include

- Innovative sanitary technology (vacuum toilets with low water consumption and sewage collection for biogas production),
- Use of Cradle to Cradle® certified products in the building (e.g. carpet, furniture)

Information for visitors to the centre, as well as the promotion of similar projects on the island and in the region, are part of the centre's mandate.

Gathering relevant stakeholders from both public and private sectors of society and facilitating the development and testing of Cradle to Cradle® technologies is a primary goal within the Cradle to Cradle Islands-project. In this context, 'integrated aquaculture' represents a prime example of how 'waste' (from fish farms) becomes 'food' for other cultured species (mussels or seaweeds), based on fundamental principles of nature. Information about this technology will provide future development opportunities for Runde and the region.

### Targets of the project

- The REC acts as a test case for Cradle to Cradle® and innovative environmental technology, with the goal to document implementation and present it to a broad audience.
- The REC organises information seminars on relevant subjects and acts as a facilitator towards research and development institutions as well as the industry to collaborate on joint projects on the island (e.g. wave power test facilities)

### Innovation and value of the project

'Trying it out' – implementing sustainable and Cradle to Cradle® technology in the building of Runde Environmental Centre and documenting the entire process,

including failures and problems, represents the main innovation value of this project. Involvement of the regional construction industry will have proliferation effects beyond the island and beyond the project duration.

Moving innovative discussions away from urban centres and involving research groups, industries and the public sector in the region where Cradle to Cradle® technology is using the island of Runde and other rural locations as a test bed, is both unconventional and promising.



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### Start and end date of the project

January 2009 - Summer 2012

### Project leader

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### Partners

- Jets, Innovative sanitary solutions, Norway
- EPEA, Hamburg, Germany
- Wetsus, Leeuwarden, The Netherlands
- Aalborg University, Denmark

[WWW.C2CISLANDS.ORG](http://WWW.C2CISLANDS.ORG)

[WWW.RUNDECENTRE.NO](http://WWW.RUNDECENTRE.NO)

*"By learning from what nature teaches us – e.g. using water and nutrients in complete cycles – we can apply new technological solutions first at Runde Environmental Centre and then at the entire island."*

Lise Chapman  
Researcher  
Coastal Ecology



WATER



ENERGY



MATERIALS