

*"The ambition of marina of the future is to be sustainable and as much as possible Cradle to Cradle®. In the design we focus on materials, energy and water. The marina will be an example of how to implement Cradle to Cradle® and we expect it to be a practical inspiration for our visitors and guests. We also expect this to be a unique selling point of our marina."*

*Brigitte Pommée and  
Monica de Vast*

## Lake Grevelingen, Zeeland, The Netherlands Cradle to Cradle® Marina

### Project description on the island

On the dykes of the Delta Works (Dutch coastal sea defence system) near Lake Grevelingen the marina of the future is going to be realized. This new marina is built on new land and partially floating. Also a vacation resort will be integrated in the marina.

In the design the focus will be on two different types of buildings, namely the harbour master office with small shops, café and sanitary building and a small unit of vacation houses.

Elements that are incorporated in the design are floating construction, renewable energy sources such as wind and solar energy, rainwater harvesting, etc. Optimal situation of the building, lay-out of the building, multi functionality of the building and the usage of materials.

### Targets of the project

The aim of the project is to realize a Cradle to Cradle® marina in 2014/2015. To realise this aim, several design studies have been started, like the design of the harbour master offices, vacation houses and the design of the pontoons and a study to research possibilities to enhance biodiversity by means of artificial reefs.

The masterplanning and design is the responsibility of the company Zeelenberg.

### Innovation and value of the project

The marina of the future is built as a Cradle to Cradle® example, whereby the vision of Cradle to Cradle® is as much realized as possible. The vision of the marina is to show the cycles and to close the loops, to generate energy and to clean water, to enjoy the diversity under and above water and to enjoy the scenery, but also to give a secure and cosy feeling to the visitors and guests. Also its aim is to bring the local elements into this project, such as local grown food and fishery.

The latest techniques on energy, water and materials are as much as possible used in the building and its

surroundings, such as the pontoons. Tourists in Zeeland can visit the marina, enjoy and experience a very positive example of a sustainable/ Cradle to Cradle® project.

### Start and end date of the project

January 2009 - Summer 2015

### Project leaders

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### Partners

- Province of Zeeland, Middelburg
- Marina Yachting Consultancy
- Marina Port Zélande
- HZ University of Applied Sciences, Vlissingen
- Delft University of Technology

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WATER



ENERGY



MATERIALS