

## SHORT SUMMARY

**Organisation:** Municipality of Leeuwarden, [www.leeuwarden.nl](http://www.leeuwarden.nl)

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**Product & sector:** Construction | **Country:** The Netherlands



# Pavilions based on circular principles, Municipality of Leeuwarden



*Removable and circular buildings, that was the aim.*

How do you ensure that in ten years the pavilions, as buildings, will be given a new use, either at component level or as a raw material. The Municipality of Leeuwarden started working on this circular challenge.

## Project description

Leeuwarden will be the cultural capital of Europe in 2018. The Municipality of Leeuwarden would like to realise two characteristic and eye-catching pavilions on the WaterCampus: a Waterbar and a Leliepaviljoen. These are intended as meeting place and as resource to demonstrate innovations in water technology.

The design was already largely ready, and circularity was added to the project later. The municipality searched for new circular business models, in which the management, maintenance, operation and ownership remain in the hands of the parties realising these buildings (building as service).

## Approach

The municipality asked the market to devise solutions, so that in ten years' time, the pavilions could be given a new use as buildings, either at component level or as a raw material. The starting point was an expertise session with users, architects and the project manager in order to determine need. A market day was then organised, which was very well-attended. To select a suitable construction partner, the municipality worked with the Foundation for Circular Economy's Rapid Circular Contracting method (RCC). The core of the RCC methodology is that you do not demand fully-developed solutions, but challenge partners to devise smart, circular solutions.



## FACTS & FIGURES

- > **Number of employees at the Municipality of Leeuwarden:** over 1,000 FTEs
- > **Volume:** Two pavilions; Waterbar and Leliepaviljoen
- > For a 10-year term
- > Leeuwarden European Capital of Culture 2018

## Results

The circular procurement process resulted in no bids. It became clear in evaluation interviews that the market parties were extremely interested, but found the call for tenders and the existing design difficult to use. They wanted flexibility on the points that were fixed and clarity on other points that were open. Market parties also had their doubts about the structural operational possibilities of both pavilions. Yet both the municipality and the market have learned a great deal from this circular procurement process.

*“Freedom in design and operational opportunities proved to be crucial.”*

Bjorn Redmeijer, International Business & Innovation Adviser

The municipality was also able to activate the market parties to think about circularity. It still has the ambition to contract new projects on a circular basis. This can be done with the RCC method, but also with other forms of contracting.

## Lessons learned

- Freedom in design and operational opportunities are crucial to offer market parties the maximum challenge to devise circular economy solutions. In this instance, the design was already partly fixed.
  - Make sure that there is a quick publication of the tender guidelines, shortly after the market consultation day.
  - Including a market consultation on video results in commitment from suppliers to the call for tenders and visibility regarding which ‘competitors’ are interested.
- This also generates curiosity among other parties.

## About REBus and the Green Deal on Circular Procurement

The Green Deal on Circular Procurement (GDCP) is an initiative of MVO Nederland (CSR Netherlands), NEVI, Central government, Duurzame Leverancier, PIANOo, Kirkman Company and Circle Economy. Various pilots originating from GDCP are partly financed by the European REBus project, implemented in the Netherlands by Rijkswaterstaat (Directorate-General for Public Works and Water Management). They are working together to support businesses and government organisations in their circular procurement ambitions.

### Contact information

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**Partners:** REBus | Foundation for Circular Economy | Achterbosch Zantman Architecten | Kunstenaarsduo Groenewoud & Buij and TWA architects

**Relevant links & documents:** [Case study](#) | [Explanation Rapid Circular Contracting](#) | [video impression market meeting \(Dutch\)](#)

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