



# Case study

## *Monitoring solution for waste water treatment plants*

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## Project: Repair of waste water treatment plant

**Customer:**  
Public Customer



**Initial situation:**

As a result of operational retrofitting work, core holes were created for building inspection. At the core, sample tests were made with regard to compressive strength and carbonation.

The aim of using the corrosion sensors was monitoring the carbonation in the water exchange area of the clarifier.

### Solution:

After the cores were taken and the depth of the carbonation was known, the corrosion sensors were installed in the open core holes using a special mortar. Then a wireless, energy and non-destructive monitoring of corrosion of the structure at critical points could be performed. The operator thus has a significant information advantage and can act purposefully and early.



**Additional value:**

- Extension of building life through targeted maintenance / sustainability
- Planning budgets for the repair according to the status message of the sensors
- Reduced Idle periods with later repairs