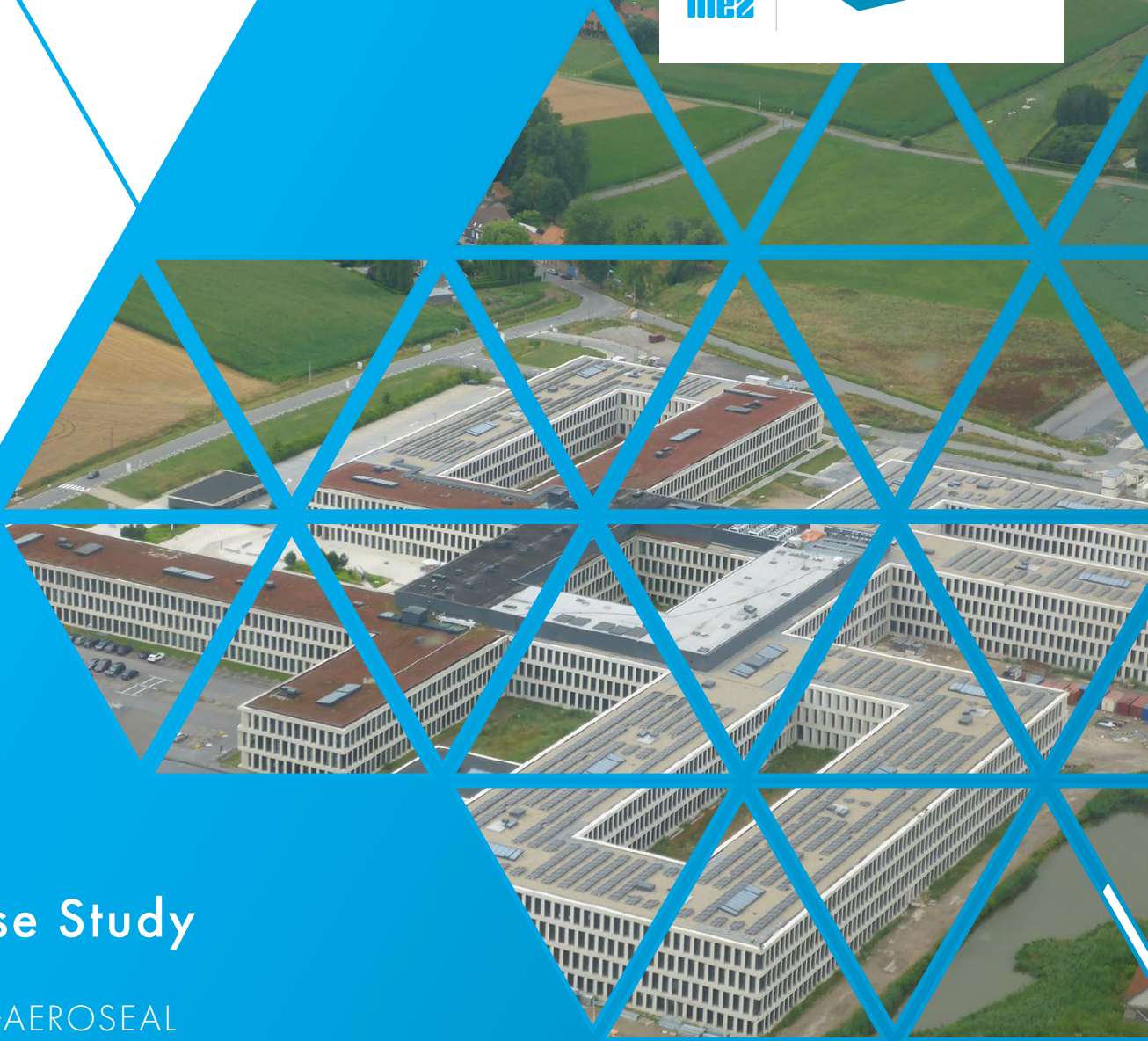




AEROSEAL



## Case Study

MEZ-AEROSEAL

# Hospital AZ Groeninge

» Achieve tightness class C (or better) «

# Hospital AZ Groeninge

**Location:** Kortrijk, Belgium

**Date:** 24.02.18

**MEZ-AEROSEAL Partner:** Stokjes NV

**Executing company:** Stokjes NV

**Result:** In Operating Room 3 of AZ Groeninge Hospital, testing of the HEPA filters revealed that too little air was entering the operating room via the supply air pipes. The reason was suspected to be leaking ducts of poor quality. A smoke bomb was placed in the duct system to check for potential leaks. Since the smoke did not reach the outlet grille of the operating room, but accumulated within the ceiling, leakages were obvious and a sealing of the ducts was of high urgency. Since the sealing had to be accomplished without any failure of the ducts, MEZ-AEROSEAL was used.

Sealing the rectangular ducts made of galvanized steel and spiro material with MEZ-AEROSEAL required minimal disassembly of the ducts and sealing of the outlet grilles in the operating room. With only two injections of about ten minutes, which were carried out in the technical room above the operating room, the channels could be changed from an air tightness class of poor A to light tightness class C.



Smell



Noise



Energy efficiency



Air tightness



Indoor air quality

## Description

The AZ Groeninge hospital in Belgium, which will be completed in 2017, has a building area of 31,500 m<sup>2</sup>, and the hospital operators have set themselves the goal of ensuring that not only the hospital employees but also the hospital itself contribute to patient care. For this reason, great importance was attached to high-quality products and an atmosphere that is characterized by calmness, radiates tranquility and thus distracts from the actual purpose of the stay. The goal: rapid recovery through hotel flair instead of a clinical feeling.

## Successful sealing

With our successful MEZ-AEROSEAL partner network we achieve great success again and again.

## The change in leakages

### Before sealing

- 110,6 l/s

### After sealing

- 4,1 l/s

### Reduction

- 96,30%



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