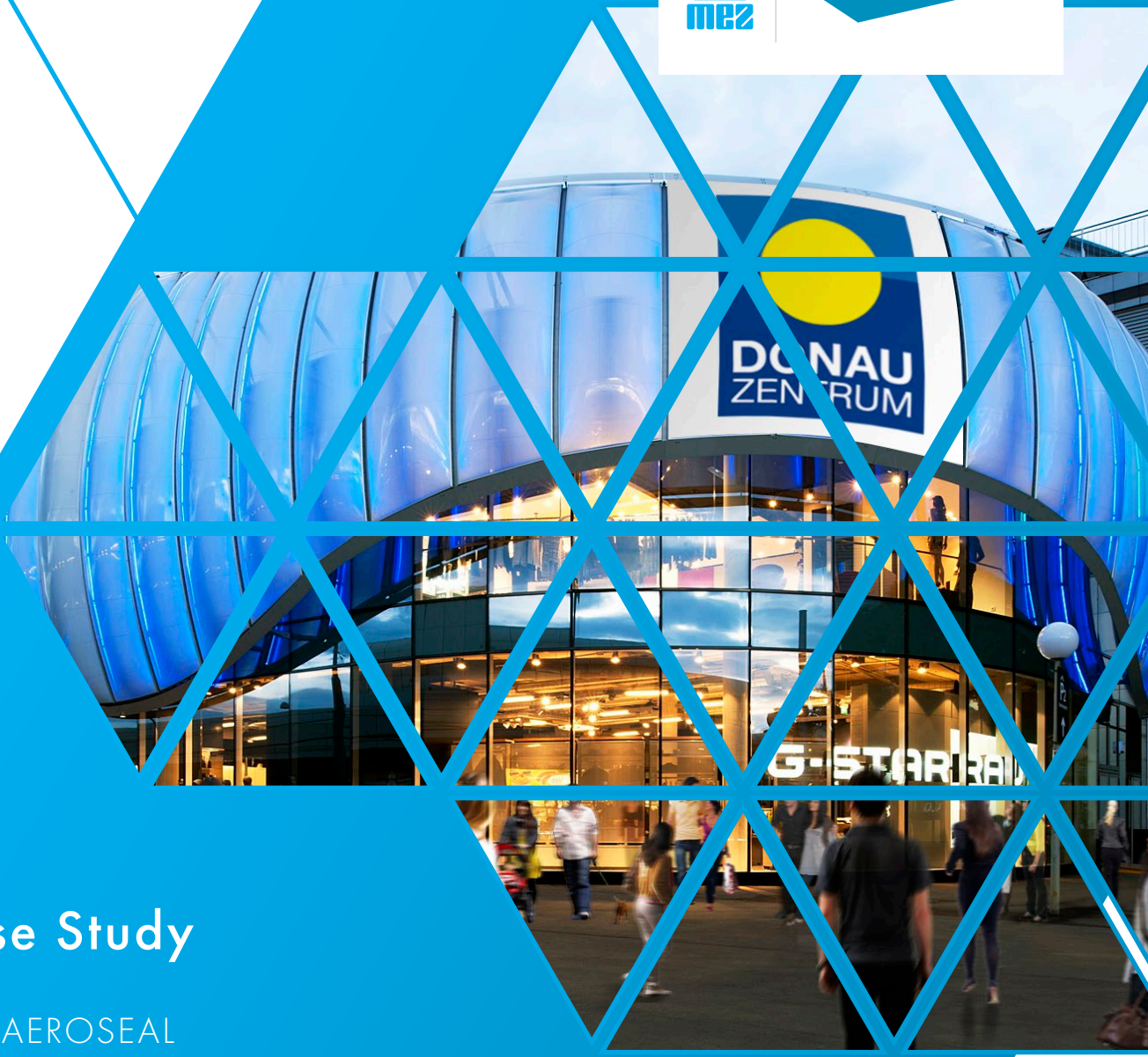

Case Study

MEZ-AEROSEAL

Donau center

» *Sealing of four existing exhaust air ducts (ABL) to achieve tightness class C, so that the requirements of ÖNorm H6030 and EN 16282 can be met*«

Donau center

Location:	Vienna, Austria
Date:	Mai 20
MEZ-AEROSEAL Partner:	Aeroseal Austria GmbH
Executing company:	Herbsthofer GmbH
Result:	In the course of the modernization of the Donau Zentrum and the construction of new restaurant areas, the four exhaust air pipes leading over the roof were also to be cleaned and sealed in case of leaks. HBL Haidinger carried out the cleaning of the existing lines and thus ensured that the fire load was considerably reduced, because the massive grease residues that had accumulated in the lines over time were removed. This was followed by a tightness measurement by Herbsthofer. For this purpose, all air pipe connections in the area of the roof valve gates were closed with metal plates and the measuring device, which can also be used as a sealing device, was connected to the four existing lines. The result: a leakage rate of almost 550 l/s. In order to eliminate this reliably, but without having to intervene in the freshly constructed building fabric, the Aeroseal method was used for sealing. Within a short period of time, the leakage rate was reduced by 99.6% to just 2.2 l/s, thus achieving the desired air tightness class C for all four lines.

Smell | Noise | Energy efficiency | Air tightness | Indoor air quality

Description

The Donau Zentrum Wien is a shopping center in the 22nd district of Vienna Donaustadt. Together with the Donau Plex, which is connected to the Donau Zentrum, it is the largest shopping and entertainment center in Vienna. Built in 1975 with 22,800 m², the current sales area is 100,750 m² and accommodates over 260 retail, gastronomy and entertainment businesses. In 2019 the part of Donau Zent-rum known as Donau Plex was extensively modernized and equipped with new restaurants.

Successful sealing

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

The change in leakages

Before sealing	After sealing	Reduction
• 534,3 l/s at 300Pa	• 2,2 l/s at 300Pa	• 99,6%

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