

Broms

A Mellifiq reference project



**Only the best
air treatment is
good enough for
Oscar Properties**

**Treating the kitchen exhaust
air from Broms bistro**

MELLIFIQ

Broms, Stockholm, Sweden

At the exclusive area around Karlaplan in Stockholm, most properties were built in the 18th and 19th Centuries. Here, Oscar Properties bought a property with the intention to upgrade it to luxury standard. The restaurant on the street level would become a bistro, open from early morning to late evening. We were contacted to treat the kitchen exhaust, to minimize grease build up in the kitchen ducts, remove odors and make energy recovery possible.

Facts

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|-----------|------------------------------|
| Name: | Broms |
| Location: | Karlaplan, Stockholm, Sweden |
| Industry: | Bistro |
| Purpose: | Treating kitchen exhaust |

Solution:

Ozonetech RENA Kitchen

Solutions

| | |
|---------------------|--------------------|
| Dimensions (HxWxD): | 970 x 750 x 265 mm |
| Input power: | 1.5 kW |
| Noise level: | 49 dB |



Broms serves breakfast, lunch and dinner with the finest organic and locally produced ingredients.

The problem

The property had previously served as an office building and was now renovated into residential apartments hosting a Bistro on the ground level. Oscar Properties

needed a system to treat the kitchen exhaust air minimizing grease and odors emission. They also looked for a solution that would go along with their sustainability profile.



The bakery bakes sour dough bread and other goods from 3 AM.

The solution

Oscar Properties considered different options to this problem and eventually decided that Ozonotech's RENA system would meet their requirements. A RENA Kitchen

Solution was installed to treat the kitchen exhaust air reducing grease and odors emissions and simultaneously increasing the fire safety.



The kitchen hood sucks in the greasy and hot air from the cooking. The air is then continuously treated inside the ducts with ozone.

Evaluation

The ozone treatment of the air from cooking surfaces and deep fryers worked well. However, it turned out that the renovation of the property was not entirely successful. The surrounding properties were disturbed by the smell and the residents with windows facing the courtyard complained loudly. The inspection carried out showed that the air from the kitchen was released via a valve between the first and second floor, which did not meet the law's requirements.

The tenant-owner association, together with Oscar Properties, addressed the problem, and the release of the kitchen exhaust was moved to the roof of the property.

The complaints from the neighboring houses ceased, the tenant-owner association was satisfied with the outcome, and the bistro was happy the kitchen exhaust air no longer caused irritation.



CEO Anna Bauer

"The ozone treatment is nothing we think about. It just works."

Anna Bauer, CEO of Broms

About Mellifiq

Mellifiq is a multi-awarded environmental service company group, that has since the early nineties evolved into a world leading system and solution provider with multiple groundbreaking applications for industrial, municipal, and real estate clients. We supply cutting-edge technologies to manage the most sophisticated air, water, and energy challenges.

Mellifiq offers a complete range of air and water treatment technologies and solutions across multiple industries such as processing industry, energy sector, food and beverage, pharmaceutical, wastewater treatment and commercial real estate.

Mellifiq offers strong and renowned brands, such as Ozonotech, Nodora and Water Maid, and world-class engineering services combined an excellent track record of more than 40 years of innovation. We help our clients achieve the most efficient and sustainable solutions while creating the maximum value for their businesses.

With several business units across Europe, Mellifiq is headquartered in Stockholm where research and development, production, QA and certification all take place. Our unique technology and our extensive expertise have made us the Center of Excellence for the world's most complex projects, and a global player with installations on all six continents.

Everyday millions of people rely on our solutions for ventilation, disinfection, sanitation, and odor control. We are committed to raising the bar for the concept of clean and the industry standard for engineering, technical services and general contracting.

For additional information, visit our website at www.mellifiq.com

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