

A wide-angle photograph of the interior of the Mall of Scandinavia. The ceiling is a complex, multi-layered structure with large, curved, white panels and recessed lighting. The floor is a light-colored, polished tile. People are walking through the mall, and various storefronts and signs are visible in the background. A large white text overlay is centered on the image.

Premium kitchen exhaust treatment for Mall of Scandinavia

**Unibail-Rodamco choose
treatment solution for 25
restaurants at shopping mall**

MELLIFIQ

Westfield MoS, Stockholm, Sweden

With 25 restaurants, and a Nordic climate, the new Westfield Mall of Scandinavia was determined to find the best solution to recover the kitchen heat energy and to minimize odors, fire risk, and maintenance. The aim was to find a flexible solution, since restaurants can close, move, change the type of menu or rebuild the premises.

Facts

Name:	Westfield Mall of Scandinavia
Location:	Stockholm, Sweden
Industry:	Shopping mall
Purpose:	Treating kitchen exhaust in restaurants
Air flow:	172,800 m ³ /h
Treated restaurants:	25

Solution:

Ozonetech RENA

Kitchen Solutions

Units:	25
Dimensions (HxWxD):	970 x 750 x 265 mm
Input power:	1.75 kW
Noise level:	49 dB

The problem

Most solutions on the market offered technology that either had equipment installed in the ducts, needed frequent maintenance, or could not guarantee to keep the kitchen ducts free from grease build-up. Additionally, these solutions did not have the flexibility needed to handle moving restaurants and changing treatment capacity needs.



The Mall of Scandinavia needed a treatment solution that was flexible and easy to maintain.

The solution

We installed Ozonotech's RENA high-performance ozone systems treating all 25 restaurants, where some restaurants shared system. All systems are wall-mounted and can be placed flexible and at a distance. The ozone is produced from the oxygen in the air and led to the kitchen ducts by easy to mount Teflon tubes. All systems are remotely monitored 24/7.



Ozonotech RENA Kitchen Solutions are used to treat the kitchen exhaust air.

Evaluation

Unibail-Rodamco (now URW, Unibail-Rodamco-Westfield) recovers the heat energy from all restaurants at the Westfield Mall of Scandinavia saving considerable amounts every year. There has been no reports of odor

problems or fire incidents connected to the restaurant kitchens. The Mall of Scandinavia installation contributed to Ozonotech winning the E-Prize from the Swedish weekly business paper Veckans Affärer 2017.



Some of the restaurants treated in the Mall of Scandinavia.

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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