

Ingka Centres

A Mellifiq reference project



Ingka Centres treats exhaust air from food courts with Mellifiq ozone systems

**Sustainable and efficient
ozone oxidation solution
to treat exhaust air from
multiple restaurants**

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Ingka Centres

Ingka Centres is part of the Ikea Group and one of the largest shopping center owners in the world, operating 45 shopping centers in 15 countries. Two of these are Birsta City in Sundsvall, the first center to open, in 1967, and Erikslund Shopping Center in Västerås.

Facts

Name:	Ingka Centres
Location:	Västerås and Sundsvall, Sweden
Industry:	Kitchen Exhaust
Challenge:	Removing grease from exhaust air
Project value (USD):	10,000 - 100,000

Solution:

Mellifiq delivery:	Ozonetech RENA Kitchen Solutions
Performance:	Preventing fat from depositing on the duct walls. Clearing grease loads from exhaust air
Capacity:	7,000 l/s
Dimensions HxWxD (cm):	100x50x20

The problem

In both centers, the food courts host several types of cuisines that release high concentrations of grease in their exhaust air, such as hamburger and Asian restaurants. The grease causes serious risk of fire in the duct system and emissions disturbing odors in the surrounding neighborhood since it tends to stick to the duct walls in the ventilation system if not treated continuously.

Besides a sustainable solution for treating fatty compounds, aligned with the company's environmental goals, Ingka Centres also required a single air treatment unit to manage exhaust air from several restaurants.

The solution

In order to treat the high grease loads from the food courts, we delivered an Ozonotech RENA 80 ozone system to each shopping center. Safety was also important for Ingka Centers, so they ordered solutions

equipped with our online monitoring and control system, O3Eye™, which was also integrated to their internal property management systems.



Ozonotech RENA 80 ozone system installation.

Evaluation

The Ozonotech RENA 80 ozone systems, with a capacity of 7,000 l/s, are currently treating exhaust air from multiple restaurants at the same time, preventing fat from depositing on the duct walls. What has previously been a serious challenge for the property owner is now handled efficiently, sustainably and safely. Our O3Eye™ control system is continuously online and monitored by our technicians to prevent malfunctioning.

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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