

Scandic Grand Central

A Mellifiq reference project



**Historically significant
building installs high-
performance solution for
treating kitchen
exhaust air**

**Scandic Grand Central Helsinki
chose the environmentally friendly
Ozonetech RENA Kitchen solutions**

MELLIFIQ

Scandic Grand Central, Helsinki, Finland

Opened in the spring of 2021, Scandic Grand Central's new restaurant will treat the kitchen exhaust air using the renowned Ozonetech RENA kitchen solutions.

The new hotel facility from the the largest hotel operator in the Nordics, Scandic Grand Central, was inaugurated in January 2021 in connection with Helsinki Central Station. Originally designed as an office space for the Finnish Railways Administration, the building was completed in 1909. The historically significant building was designed by Eliel Saarinen.

Facts

Name:	Scandic Grand Central
Location:	Helsinki, Finland
Purpose:	Kitchen exhaust
Capacity:	Total: 3 kitchen / air flow 7,000 l/s Use: 2 kitchen / air flow 3,500 l/s

Solution:

Ozonetech RENA 80, Kitchen solutions

Dimensions:	970 x 750 x 265 mm
Input power:	1,5 kW
Noise level:	49 dB

The problem

Hotel restaurant kitchens are usually operating from early morning to late night, a year long. This intense activity requires a lot from the cleaning solution to prevent grease accumulation in the air ducts. Grease in the exhaust air increases the risk of fire and enables the spread of disturbing odors caused by bacteria feeding on grease particles. In both cases, this will have negative impact on the environment.



The solution

Scandic choose the efficient Ozonetech RENA Kitchen Solutions to clean the exhaust air, preventing the spread of disturbing odors and increasing fire safety and energy efficiency in the new Grand Central hotel.

The Ozonetech RENA-80 Kitchen solution cleans exhaust air from the two main kitchens in the hotel, with the option of using the same system to clean the air from a third kitchen.

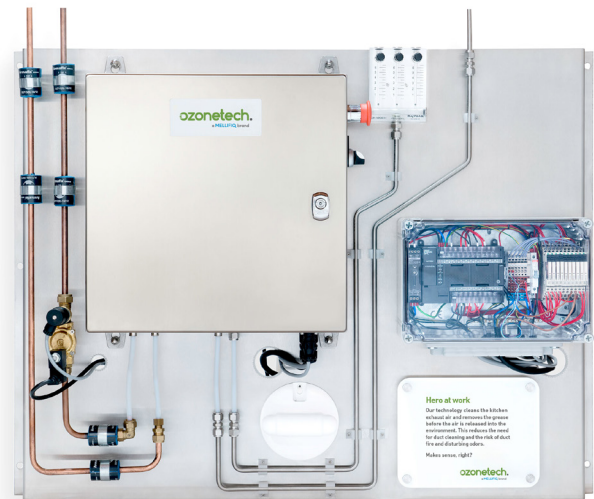
The Ozonetech RENA Kitchen Solutions requires little storage space and is very easy to install. The solution was installed in the basement, on one of the maintenance

corridors and will not cause discomfort in the kitchen. Ozone sensors are placed in the kitchen area for safety reasons. The RENA Kitchen solution is also integrated to the building's automation system, which alerts the property manager immediately if any disturbance occurs.

The RENA Kitchen Solutions' control box manages the fan operation mode as well. This means that when the ventilation system is off, the supply point valve of the RENA Kitchen Solutions system will also be shut, preventing any ozone leak into the surroundings. Only when the exhaust fans start operating again and the required negative pressure is created in the duct, the supply valve opens again and injects ozone into the duct air flow.

Evaluation

The benefits of Ozonetech RENA Kitchen solution are highly appreciated at the Grand Central Hotel, as a single system manages to clean the exhaust air from multiple kitchens. The efficient and continuous cleaning of the kitchen exhaust air enables a more efficient heat recovery, which reduces the energy costs of heating the property and minimizes the need of manually cleaning of the ducts. Most importantly, the clean exhaust air reduces the risk of fire in an historical building, and, above all, it increased comfort for the hotel guests.



RENA Kitchen solution.

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.

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