



**Villa Godthem uses
ozone to reduce odors,
from the grease trap, to
a minimum**

**The disturbing odor along with
complaints from the neighbors
just disappeared**

MELLIFIQ

Villa Godthem, Stockholm, Sweden

The charming restaurant Godthem is beautifully situated at the Royal Djurgården in Stockholm and has been a popular gastronomic feature in Stockholm since 1897. Most famous is the restaurant for its charcoal roasted beef served on a wooden board, that gave Godthem a well-deserved reputation ever since the restaurant was opened in 1874.

The home was built as a gift to the well-known opera singer Carl Johan Uddman. The story of the name Godthem tells that the somewhat round Uddman made the unusual decision to walk home from the Opera, and as soon as he entered the hall, he exclaimed pantning "Jag har gått hem!" (I have walked home!). The restaurant was inaugurated 2011 after an extensive renovation and is now considered to have one of Sweden's most beautiful dining rooms.

Facts

Name:	Villa Godthem
Location:	Stockholm, Sweden
Industry:	Restaurant
Purpose:	Odor removal – grease trap

Solution:

Ozonetech ACT-series

Dimensions (HxWxD):	25 x 100 x 800
Input power:	0.018 kW
Noise level:	28 dB
Weight:	2 kg

The problem

Grease in the sewer system has become an increasingly large problem. The municipal sewer system is not made to receive large amounts of grease from restaurants and municipal commercial catering. In an article in the Swedish newspaper, Dagens Nyheter September 8, 2014 one could read that there are 50 drainage stops caused by fat every year only in Gothenburg.

The same figure for Stockholm was half of that. When wastewater is cooled, the grease solidifies and gets stuck on the walls in the sewage pipes which eventually clogs the pipes and can lead to a stop. To prevent the release of grease in the sewage pipelines, all operations that handles food must install a grease trap. The difference in the number of drainage stops between the cities was

Villa Godthem

A Mellifiq reference project

explained by the fact that Stockholm had introduced stricter requirements for grease traps. Increased use of grease traps is necessary but can cause inconvenience in the form of unwanted odors that interfere with neighboring residents. When grease accumulates, bacteria begin to grow and emit hydrogen sulfide.

Hydrogen sulfide, which is a corrosive and toxic gas at high concentrations, gives rise to strong odors similar to rotten eggs. At Villa Godthem the bad smell spread from the grease trap to the surroundings which led to complaints and irritation from neighboring residents. That problem had to be addressed.



The charming restaurant Villa Godthem located on Djurgården, Stockholm.



Villa Godthem is considered to have one of Sweden's most beautiful dining rooms.

The solution

The property manager contacted the company who handles the maintenance of the grease trap, who in turn contacted us for advice on how the odor problem could be fixed. A mutual decision was made to install an ACT-3000P ozone generator. An ozone generator cleans the air with the help of ozone that quickly breaks down hydrogen sulphide and other odors. The ozone is injected directly into the grease trap venting, so that the odor problem is reduced both in operation and when the grease trap is emptied.

The Ozonetech ACT-3000P is designed to reduce smells from, for example, grease traps. The ozone is generated

in a closed chamber which is air-fed. The air is supplied by a separate pump to guarantee that sufficient ozone is generated.

Since the ozone generator produces ozone on-site, no continuous refill of chemicals or any other substance is needed. The ozone air treatment starts directly when the ozone generator is connected to the mains. And the air is taken from the surroundings. Free raw material, no transport.

Evaluation

After the installation, an immediate and lasting improvement was noticed. The smell around the restaurant disappeared, as did the irritation from the surrounding residents. The odor reduction did not entail any major extra costs. The total energy consumption for the ozone generator and pump is a modest 32 watts, which means an operating cost of 20-30 dollars per year, which can be compared with, for example, an operating cost of many hundreds of dollars per year for a system based on bacteria which requires continuous refilling.

The benefits of the Ozonotech ACT-3000P are many. The tank cleaning companies do not emit strong smells when they empty the grease trap. Property- and restaurant owners do not need to worry about the smell, and the irritation from nearby residents decreases.

“Mellifiq directly gave us a solution to our problem. The installation was simple, and the result was noticeable immediately. The smell that previously was felt around the house disappeared, as well as the complaints from our neighbors.”

Property manager

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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