

Norvik Port

A Mellifiq reference project



The new Norvik Port treats odor problems with Nodora catalytic material air filter

**Mellifiq delivers air treatment
solution for Stockholms Hamnar
AB once again**

MELLIFIQ

Norvik Port, Stockholm, Sweden

Stockholm Norvik Port is a recently opened terminal for ro-ro (roll-on/roll-off, ships designed to transport wheeled cargo such as cars, trucks, buses, railroad cars etc.) and container ships. The terminal was opened on May 27, 2020, in Nynäshamn, south of the Stockholm region.

Name:	Stockholm Norvik Port, Stockholms Hamnar AB
Location:	Nynäshamn, Stockholm, Sweden
Industry:	Maritime
Challenge:	Removal of large H ₂ S quantities and odor control at the port pumping station
Project value (USD):	50,000

Solution:

Mellifiq delivery:	Nodora CAT A-series catalytic material air filter module with installation in accordance with ABT06 2,070 x 760 x 1,160 mm
Performance:	Complete H ₂ S removal
Capacity:	200 - 2400 m ³ /h
Dimensions (HxWxD):	207 x 116 x 76

The problem

Ships docking into the port empty their septic tanks into a pump pit in the port's pumping station. As the pump pit is filled, large quantities of wastewater emit unpleasant odors, which tend to cause discomfort in the surrounding area.

One of the compounds emitted in the process is H₂S, which besides its strong unpleasant smell of rotten eggs, is also toxic to humans.



Outside view of the pumping station.

The solution

To tackle the issue posed by pumping station odors, Stockholms Hamnar AB, the owner of the port, turned to Mellifiq for a solution.

Since we had previously successfully delivered a similar H₂S removal solution for Stockholms Hamnar AB, namely Masthamnen, the harbor in central Stockholm, the company turned to Mellifiq for a solution to tackle the odor issues posed by the pumping station.

Thus, Mellifiq was once again chosen to deliver, install and commission a solution for H₂S removal at the pumping station, this time in the Norvik Port.

The Mellifiq delivery consisted of a Nodora CAT filter module containing catalytic material, which was installed and commissioned inside the pumping station.



The installed Nodora CAT located in the pumping station.

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As the pump pit is filled with wastewater, and the resulting odorous compounds are emitted, the air must be treated before it is released into the atmosphere. The air is funneled through a ventilation duct at the top of the pit with the help of a fan, in order to pass through the Nodora filter module, where it reacts with catalytic material that breaks down H₂S. Finally, the treated, odorless air is released into the atmosphere.

Our systems ensure complete H₂S removal in industrial applications, for almost any flow. In addition to the air treatment solution, we complemented the installation with fan and ducting, in accordance with the Swedish ABT06 standard.



The three filter cassettes containing catalytic material, designed for easy maintenance.

Evaluation

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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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