



CASE STUDY
GREBBESTAD
BREWERY



Grebbestad Brewery upgraded to ozone sanitation

NO CHEMICALS AND A SAFER WORKING ENVIRONMENT

 **ozonetech.**

GREBBESTAD BREWERY

Grebbestad is not just a favorite among domestic and international tourists, it's also Sweden's oldest microbrewery. The facility brews several popular beers such as India Pale Lager, Saison and the Swedish classic Christmas holiday drink julmust.

The brewery, located on the beautiful Swedish west coast, has been using traditional acid and hot water to sanitize the fermentation tanks, filling machine and other process equipment.

They have now upgraded their sanitation routines with Ozonetech's ozone system resulting in tangible operational benefits and a more gentle environmental footprint.



The RENA Vivo A-series system is connected to tanks and other process equipment during CIP sanitation. The brewmaster Johan Hansson is observing the system during operation.

THE PROBLEM

Ever since the start in 1995, Grebbestad Brewery has been using large amounts of chemicals and hot water to sanitize all process equipment – a necessary procedure to maintain highest possible product quality and prevent product spoilage. It is one of the most water intensive and costly operations during production along with chemical handling issues.

The excellent sanitation potential of ozone presented an attractive solution for the facility.



THE SOLUTION

Together with Ozonetech, the brewery installed a high-performance ozone system which provides effective sanitation and disinfection of frequent clean-in-place operations. Ozonetech's RENA Vivo system enables a turn-key sanitation solution in lieu of acid and hot water which has been used since the start.

An intuitive touch-screen, controlling the amount of ozone concentration during disinfection enables on-demand sanitation and leaves no chemical residues. No more handling and administration of hot water or hazardous chemicals.

EVALUATION

The new RENA Vivo A-series high performance ozone system has significantly reduced handling of and associated costs for disinfection chemicals. Water savings have also been realized since chemical residues have been eliminated. Sanitation time has been reduced thanks to the high disinfection capacity of the system.

„We are very happy with the new sanitation technology Ozonetech has provided. We are integrating the ozone system into the brewery to cover both fermentation tanks and the filling machine.“

Johan Hansson, Brewmaster



RENA Vivo is equipped with an easy-to-use control system including a touch screen panel.

FACTS

Name:	Grebbestad Brewery
Industry:	Breweries
Purpose:	Disinfection & sanitation
Performance:	15 min sanitation at 1 ppm ozone residual
System solution:	RENA Vivo A-series Brewery solutions
Dimensions (HxWxD):	1800x1200x800 mm
Input power:	0.75 kW
Noise level:	49 db

ABOUT OZONETECH

Ozonetech is an award-winning green-tech company that has offered premium products for air and water treatment through the use of ozone since 1993. Our unique technology and extensive expertise has made us a rapidly growing global company with installations in six continents. All development and manufacturing is located in Sweden. In addition, we have in-house specialists for consultation, planning, installation and service.

As a Center of Excellence within air and water treatment, we also collaborate in international efforts to develop global standards for purification solutions.

At Ozonetech, we have a strong incentive to reduce energy waste, health risks and the impact on the environment. Our current solutions provide a multitude of benefits in the processing and food industry, real estate, commercial kitchens as well as in the retail market.

