

Eau Everest Inc.

A Mellifiq reference project



Eau Everest installed Mellifiq ozone solution to reach highest standards

Canadian natural spring water bottling plant succeeded thanks to top-of-the-line Ozonotech turn-key ozone system

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Eau Everest Inc., Quebec, Canada

Eau Everest Inc. is a renowned water producer in East Canada, with headquarters and main production facility in Saint-Ferdinand, Quebec. In their own words, their customers are provided with “natural spring water of higher quality”. The water is taken directly from the vast landscapes of the surrounding environment. As a boutique spring water producer, their production plant managers accept nothing but top quality process equipment. The company is expanding rapidly. The company exports their products to the USA, Japan, Australia, Singapore and the United Arab Emirates.

Facts

Name:	Eau Everest Inc.
Location:	Saint-Ferdinand, Quebec, Canada
Industry:	Bottled water
Design flow:	80 m ³ /hr
Purpose:	Disinfection
Challenge:	Superb bottled spring water
Project value:	USD 70,000
Mellifiq delivery:	Ozonetech RENA Vivo A-series turn-key ozone system
Performance:	0.3 ppm dissolved ozone at any flow ranging from 20-80 m ³ /hr

Solution:

Ozonetech RENA Vivo A-series turn-key ozone system

Dimensions (HxWxD):	1,800 x 1,200 x 800 mm
Input power:	1.2 kW
Noise level:	49 dB

The problem

As Eau Everest started their rapid expansion in 2019, it became clear that the quality of their water needed to transition from excellent to superb. Bottled water must be free from any microorganisms, exhibit absolute clarity and be completely free from any chemical residues. Eau Everest was adamant to not resort to traditional methods of chemicals and needed to find a solution which fit their own high standards. Optimally such a solution must have

a small footprint and be easily integrated into the current process. As the company has extended their current production line with a specific water product developed with very tightly regulated pH levels between 6.2-6.4 for domestic cats and dogs to help prevent urinary problems, the need for the best quality water became even more apparent.

The solution

To find a solution, the company's co-owner, Louise-Pierre Thibeau reached out to Mellifiq for consultation. A basic solution with components were initially discussed, but quickly turned into supplying a complete turn-key system including advanced automation, instrumentation with on-line dissolved ozone and pH control, all delivered as one packaged solution. The search was over. Mellifiq delivered the market's most complete ozone system for this application, our fully equipped RENA Vivo A-series. In less than 3 months, the system was installed and commissioned on site in Quebec. The solution allowed the operators to connect their current water line directly to

hydraulic connections of the RENA Vivo system and start the system in less than two hours. The system is installed prior to the filling line and allows for effective disinfection and pH control in less than one minute with carefully controlled dissolved ozone levels at 0.3 ppm.

The original flow for the filling line was 20 m³/hr, which means that our system has plenty of redundancy and can be turned-down on demand with the help our integrated PID controller for oxidation potential, a key feature for ensuring accuracy in dissolved ozone levels.



Ozonetech RENA Vivo A3 was installed easily thanks to the integrated connections, out-of-the-box automation and dissolved ozone control.



Fresh bottled water for both consumers and businesses.

Evaluation

The provided system has been in full operation since day one without any service needs or down-time. The staff can feel with their ozonation process thanks to the safety mechanisms built into the control system with continuous monitoring of ambient ozone levels. Since installation, the has proven its stability and endurance. The automatic output controls means that Eau Everest has been able to run their bottling line at precise concentrations of ozone and will have sufficient power to provide the future second line with clear, disinfection water for the consumers.

“We love it! In fact we have found it has so much redundancy that we will be able to expand with a second bottling line without any upgrades.”

Louise-Pierre Thibau,
Owner and operations manager



Eau Everest is now able to expand their production facilities. Thankfully, their treatment needs are already covered.

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 Ozonetech, 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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