

A REDEFINING PRIMOZONE® OZONE SOLUTION AT SALMAR SMOLT HATCHERY



When SalMar Settefisk expanded their smolt hatchery at Follafoss, Primozone was chosen to supply the complete ozone solution for the new RAS system.

SalMar Settefisk in Follafoss, part of SalMar ASA, is one of the largest salmon producers in the world with its production of 10 million smolts (fry) a year.

When expanding its facility with a new RAS (recirculating aquaculture) system Primozone® was chosen to supply and design the complete ozone water treatment solution for the hatchery.

Preferred supplier

The Primozone solution was specifically requested by both SalMar Settefisk and Nofitech, the designer of the RAS system, as they thought this was the best available option on the market.

SalMar already had a Primozone ozone installation at a different hatchery and was aware of the advantages, while Nofitech has 25 years of experience in designing land-based fish farms and knows the importance of a well-designed ozone solution.

Cost efficient solution

Primozone has a unique competence in both designing and providing complete ozone systems that are very efficient considering energy consumption, oxygen consumption, dissolution and redundancy.

Increased productivity

Good water quality is a prerequisite for good smolt quality, and in the same way, that good smolt quality is one of the main prerequisites for a safe and efficient production of farmed salmon.

Research shows that the water quality improvement gained from ozone water treatment at RAS improves smolt growth and thus increases productivity.

This is acknowledged by SalMar who says that they have seen a decrease in mortality at Follafoss since the installation of the ozone solution.

SALMAR ASA, NORWAY

SalMar ASA, is one of the largest salmon producers in the world with its production of 10 million smolts a year.

SALMAR SETTEFISK, FOLLAFOSS

- Ozonation of side stream (5% of totally 50.000 L. water/min, i.e. 2500 L./min)
- The aim is to clear the water from colloidal solids.

PRIMOZONE® OZONE SOLUTION

- One Primozone® GM18 ozone generator
- Primozone® system controller
- Design and construction of dissolution system
- Commissioning 2012



“Our ozone solutions from Primozone are very easy to operate and saves us a lot of space. These are important factors at RAS facilities”

KARL-CHRISTIAN AAG
Salmar Settefisk ASA



The Primozone® GM18 is small and can easily be placed in any location.

ABOUT PRIMOZONE

At Primozone® we are committed to provide our customers with cost efficient and environmentally friendly ways to clean and treat water with ozone. Our ozone generators and ozone water treatment systems are based on cutting-edge technology and generate far more ozone while using far less energy.

At Primozone we have found an innovative way to make ozone generation efficient and cost effective.

Our solution has proven to save up to 70% of the energy consumption compared to traditional ozone generators. Furthermore the Primozone Ozone Generator is small and has the capacity to generate ozone with a proven high concentration.

Ozone is not only a natural product but also one of the most efficient methods to clean and treat water.

www.primozone.com

Primozone began redefining ozone technology in 2000. Since 2003, Primozone Production AB has been wholly owned by Westfal-Larsen Technology of Bergen, Norway. Today Primozone's patented technology is used in water treatment installations in more than 40 countries worldwide.

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