

Kaldnes™ RAS

Recirculating Aquaculture Systems | PREFAB

Turbot fattening farm

Start up: 2011
 Joint Partner: Wallenius Water AB
 Customer Location: China

Challenge

Make a prefabricated small scale, low cost, low energy, high performance, minimal footprint Kaldnes™ RAS-system combining technology from Krüger Kaldnes AS and the Swedish company Wallenius Water AB for an existing Chinese turbot plant

Solution

Make a container based Kaldnes™ RAS-system combining Kaldnes™ MBBR technology including a Hydrotech drum filter with an AOT (Advanced Oxidation Technology) unit from Wallenius Water

Design capacity

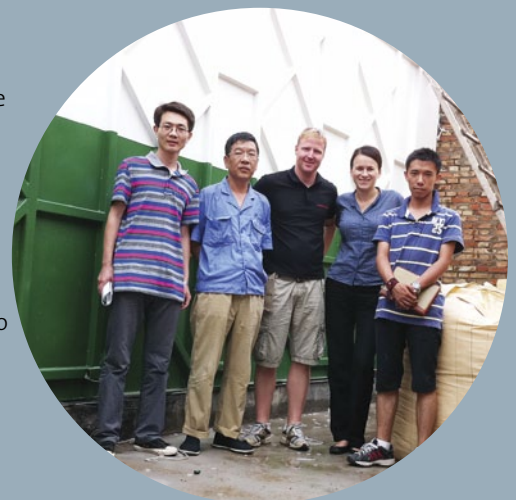
▼ 20 ton fish/year

Background

In the fall of 2010 Krüger Kaldnes received a request from the Swedish company Wallenius Water AB for designing a small prefabricated Kaldnes™ RAS unit based on the Kaldnes™ MBBR technology combined with a Wallenius Water AOT unit for disinfection. Kaldnes™ RAS was implemented for an existing land based fattening farm for turbot in China.

Krüger Kaldnes decided to use a container based solution. A specially designed unit was manufactured in Europe and put into operation in China in July of 2011. The unit is now in a test program for adaption to the local conditions.

A large market for module based Kaldnes™ RAS-solutions exist in China where a significant part of the fish farming in the world is located.



In front of the prefabricated unit in China, from the left, Mr. Chen, Mr. Liu, Espen Karlisen from Krüger Kaldnes, Ewelina Basiak-Klingspetz (Wallenius Water) and the young interpreter, mr. Henry.

Krüger Kaldnes
 Nordre Fokserød 9, 3241 Sandefjord, Norway
 off. +47 91 60 80 00, Fax: +47 33 48 50 01
 postnorway@krugerkaldnes.no
 www.krugerkaldnes.no