Stolt Sea Farm, S.A.



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Mr. Oscar Iglesias López, with Identity Document 33.342.466-X, with the position Engineering Manager in the company STOLT SEA FARM as End user and Property of the Tocha Fishfarm, CERTIFIES:

- Xylem Water Solutions España, S.A.(former Wedeco Rex, S.A.) carried out with satisfaction the supply, execution, commissioning and start up of the ozone plant to treat the two seawater lines to feed the fish farm. Total water flow: 2 x 500m3/h.
- The raw water has a conductivity of 3000 microS/cm and come from beach wells on land.
- That the start up was on 2003 and is working till nowadays.
- The scope supply installed by the referenced company included the following items:
 - \circ 2 x Ozone generators SWO200 (Brand: WEDECO). 200g/h each, feeding by oxygen and running at ozone concentration of $100gO_3/Nm^3$.
 - o 1 x chiller to supply cooling water in close loop
 - 3 x REDOX device for the Automatic Control of the Ozone Production and as security measurement.
 - o 2 x Ozone contact systems (foam fractionators):
 - Injectors
 - Booster pumps
 - Foam fractionator
 - 2 x CCM
- The target of the ozone plant installed with the foam fractionators is:
 - Improve the Organic material removal, Fe^{2+} , etc.
 - Disinfection (direct and Indirect by mean of Total Oxidants produced by the oxidation of salts by ozone)
- The ozone plant is installed after the drum filters.

And, to be stated for appropriate purpose, sing this document in Lira-Carnota, on 16/NOV/2012

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Signature