Big ideas have small and humble beginnings.

Following many years of research on the principle of Precession applied to the rotation of fluids Alfred Zajić managed to build a self-aspirating aerator with no moving parts internally, thus obtaining a great advantage in terms of reliability and energy efficiency. Product can transfer up to 7.5 kgO2/kWh of dissolved oxygen into water. It has an energy efficiency of up to three times higher than other “Self-Aspirating Aerators” available on the market.

Today we are producing a multiple model in different configurations, which has the capacity to transfer a volume of air from 5 to 16 liters per second in relation to motor power and the depth of use. We are developing two new models and related tools but primary is the smaller one, which we hope will have the capacity to transfer an air volume of approx. 5 liters per second, designed for aeration of small bodies of water.

Mission Statement

OxyTurbine goal and hope, in a period of a decade, is the gradual replacement of technologically obsolete aerators ensuring a reduction in energy needed for their operation and thereby reduce emissions of pollutants.
Model 120 with Pusher

Complete 120 with Pusher

120 with Pusher wastewater aerator suitable for every aeration application, world renowned for the highest aeration efficiency. The result is immediate, continuous, unbelievable barrage of dissolved oxygen that saturates the water.

Model 120 with Router

Complete 120 with router

120 Surface Wastewater Aerator ideal for aeration of ponds, basins, tanks, pools and lakes. This simple design virtually eliminates maintenance, suitable for every aeration application.

OxyTurbine Solutions

The OxyTurbine aeration system is designed to run 24/7, completely reliable and maintenance free. Tests say that the oxygen transfer efficiency in some models can exceed 7.5kgO2/kWhr or about 12 lbsO2/hphr. Weighing barely over 100 pounds, a typical floating aerator can out-perform and outlast virtually every aerator in its class.

The appeal of the OxyTurbine® is its utter simplicity combined with its durability. It overcomes many of the challenges which plague other aerators. It has no internal moving parts. It has no diffusers which can clog. It requires no loud, costly compressor. It does not thrash the surface of the water.

Due to its design, efficiency, portability, and performance, the OxyTurbine® is equally at home in aquaculture settings, horticulture irrigation lagoons, golf course ponds, municipal waste treatment plants, stock ponds, lake ways and coves, confined animal feedlot waste lagoons, and black water pits, to name a few.