



AQUA TECHNOLOGY ECO SYSTEMS

*life energy water*

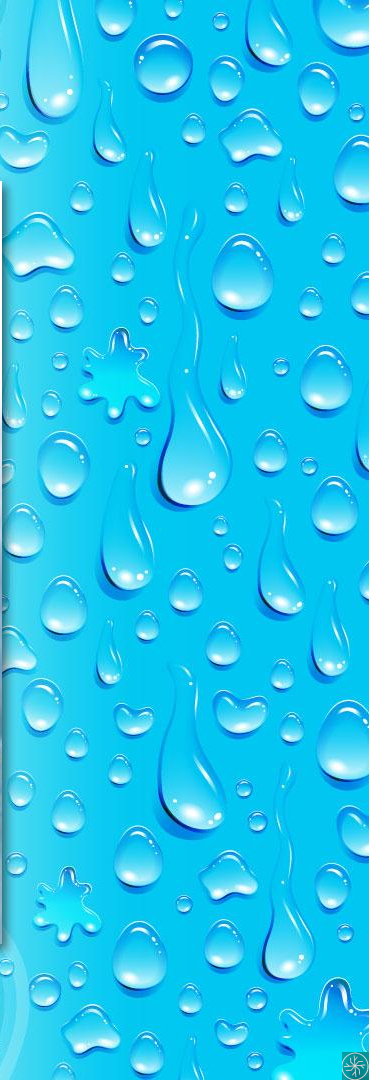


## THE ESSENCE OF THE PROJECT

Creation of a production facility for bottling purified artesian water with microdispersed oxygen saturation.

## IDEA

We propose to take part in the creation of a European company for bottling purified artesian water with microdispersed oxygen saturation, obtaining a European quality certificate, as well as ISO 9001.



## THE PROBLEM

Today, an insufficient supply of organs and tissues of the human body with oxygen is becoming a mass phenomenon - hypoxia, which negates many efforts to maintain a high vitality. The cells of the body age prematurely, toxins and free radicals collect in the body, and fatigue accumulates.

Lack of oxygen can only be replenished with oxygen itself. Oxygen masks are increasingly used in cosmetology and spa treatment, and oxygen cocktails have also appeared. However, the only remedy that can be used regularly and without special additional conditions is oxygenated, that is, finely dispersed oxygenated drinking water.

In the near future, an increase in demand for oxygen water is predicted on the part of air carriers, astronauts, residents of megacities, athletes, as well as the elderly. To these categories should be added the inhabitants of the northern regions, which make up a very significant part of the population, who live in conditions of constant oxygen starvation (due to the peculiarities of the structure of the atmosphere, the amount of oxygen in the northern latitudes is 25% below normal).

For a person, excess oxygen has a beneficial effect on the body - it does not irritate the gastric mucosa, does not cause allergic reactions, prevents hypoxia (oxygen starvation), promotes weight loss, improves metabolism, slows down the aging process (and does not accelerate, as was thought until recently), is an excellent antioxidant agent, binding free radicals, increases endurance, prevents a decrease in blood glucose, has a positive effect on the circulatory system, promotes cleansing and restoration of the skin due to accelerated regeneration.

Sociological studies show that regular consumption of oxygenated water improves vitality, improves brain function, stimulates recovery processes after heavy physical and mental stress, and reduces the impact of frequent stressful situations. Thanks to oxygen, blood sugar, heart function and blood pressure levels are normalized.

Based on this, the development of the oxygenated water market is considered by specialists as the most promising. However, at the same time, the problems of effective oxygenation of water in production conditions remain unresolved, due to the lack of technical solutions for the implementation of this problem.

The known installations and complexes of equipment for saturating water with oxygen have basically the following main disadvantages:

- high energy and material consumption of the equipment of the installation for saturation of drinking water with oxygen
- low saturation efficiency
- instability of the state of drinking water oversaturated with oxygen, poured into containers under pressure (during storage and uncorking of sealed containers)
- high energy consumption for the process of saturating water with oxygen, associated with maintaining excess pressure in the columns, low water temperature and the consumption of oxygen-containing gas
- the possibility of ignition in oxygen at overpressure of engine oil, the vapors of which can get from auxiliary equipment to the installation for saturation of drinking water with oxygen

### **The positive effect of consuming natural oxygenated water:**

- Increased working capacity;
- Enhanced metabolism;
- Improving blood supply to the brain;
- Strengthening the human immune system;
- Increased vitality;
- Boost your metabolism
- Removal of toxic substances from the body;
- Prevention of premature aging;
- Promote weight loss;
- Contributing to a decrease in histamine in the cells of the body and lungs by reducing allergic reactions in both children and adults.



## **DECISION**

To reduce energy costs for the preparation of oxygenated drinking water and increase the efficiency of the saturation process by rational organization of the process to obtain a stable product and high operational reliability, there is a need for the production of a set of equipment based on the "AQUA-OR" oxidation reactor, patent classification C02F 7/00.



The proposed complex for the preparation of bottled microdisperse oxygenated drinking water allows:

- to reduce energy and material costs, no additional reagents are required, and in the process of saturation, costs are associated only with the operation of pumps and compressors due to the use of ejection mixing in an oxidizing reactor by finely dispersed saturation of water with oxygen;
- reduce energy consumption to maintain the required process temperature and ensure the quality of the resulting product;
- rationally organize the saturation process with high efficiency and low losses, as a result of the separation of the process;

**The technological process for the production of microdispersed oxygenated drinking water is as follows:**

- purification of artesian water in the first stage oxidizing reactor using atmospheric oxygen;
- filtration of suspended solids formed during cleaning on a 10 micron filter;
- passing the process of "silvering" to increase the degree of disinfection;
- additional treatment and microdisperse (3-5 microns) saturation of water with oxygen O<sub>2</sub> in the second-stage oxidizing reactor.
- bottling.



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Deep oxygenation of water (up to 140 mg O<sub>2</sub> / l H<sub>2</sub>O, in ordinary water 3-6 mg / l) allows you to keep water usable for up to 12 months in a sealed package. At the same time, the water after bottling remains "alive", with a full set of minerals. In addition to bottling, bottling is provided in kegs, which makes it possible to sell this water through a network of vending machines to expand the circle of consumers.







## MARKET

The European market for the consumption of bottled water is the main one in the world, and the market volume of the world's largest consumer market in the United States is more than three times lower. Geographically, the amount of bottled water consumed shows that 64% of this water is consumed in Europe, 21% in the United States of America, 3.5% in the eastern countries and 11.5% in the rest of the world.

The sale of products is expected primarily to Saudi Arabia, Oman, Qatar, Denmark, Sweden, Finland, as well as to the defense ministries of different countries for the air force flight personnel, aerospace agencies (including SPACE X by Ilona Mask), the Olympic teams, etc.

## OFFER TO INVESTOR

The purpose of the search for investments is to create a European company for bottling purified artesian water with microdispersed oxygen saturation, obtaining a European quality certificate, as well as ISO 9001.

To do this, you need to take the following steps:

- opening a company;
- purchase of a water bottling company with its own well in an ecologically clean region (or purchase of a well and construction of a plant);
- purchase of equipment for production;
- purchase of materials and components for production;
- team building (engineering and manufacturing);
- certification and patenting of technology and products of the enterprise;
- marketing and advertising;
- creation of a logistics network;
- creation of a network of dealerships.