

Solution[®] OZONE



Company Presentation
Product Catalog



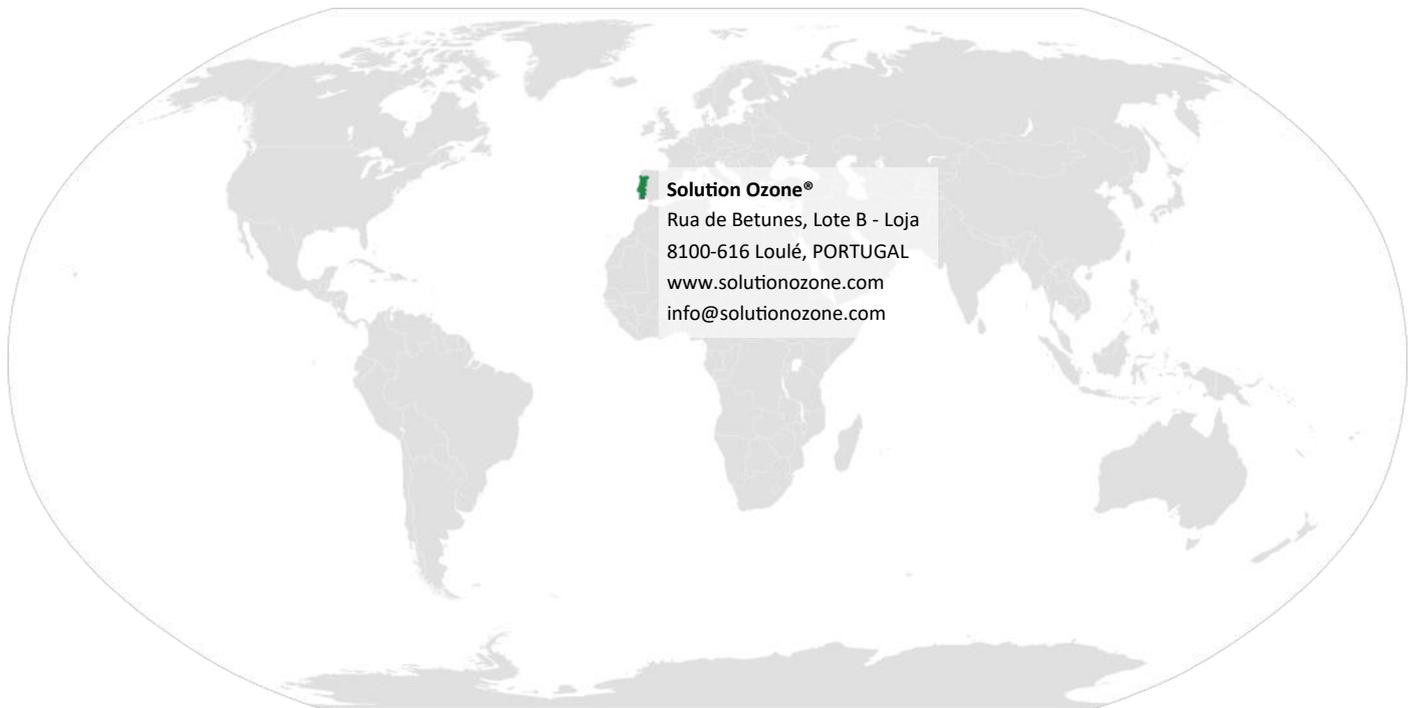
WHO WE ARE

Solution Ozone is a Portuguese company with Distribution World Wide, with an experience team of over 18 years of experience.

With a R&D team we dedicate to the research of new products and new technologies using Ozone, Solution Ozone wants more than develop new systems to reduce the chemicals use around the world, but improve the health and well-being to the humanity.

Solution Ozone produces ozone generators, without recurring to any chemical products or other artificial solutions to remove viruses, bacteria and fungi in many different applications.

Having protocols signed with SPOZ (Portuguese Society of Ozone Therapy) and UALG (University of Algarve), Solution Ozone aims to create effective and high quality products, able to guarantee the efficient control of innumerable problems that are affecting our society.





COMPANY STRATEGY

Purpose:

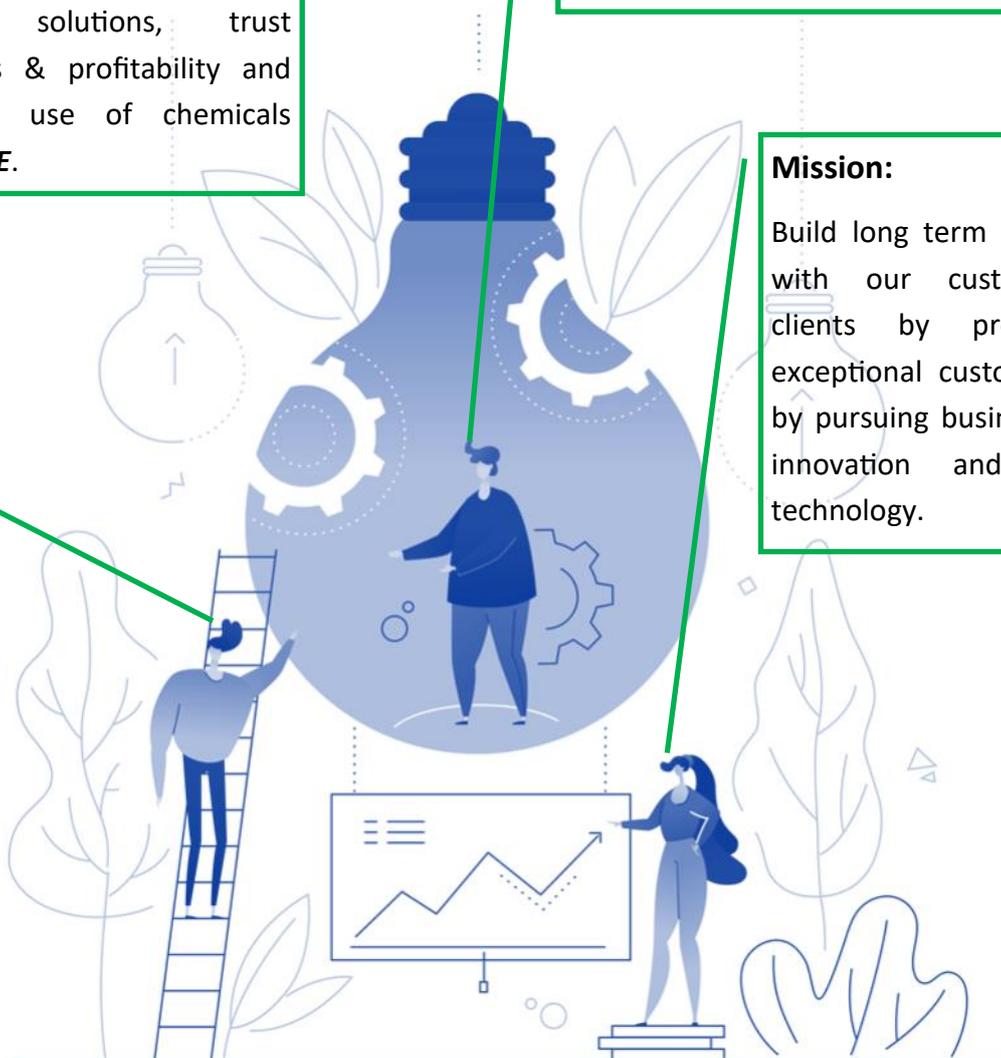
To be a leader of Ozone Generator Solutions on the market by providing enhanced services, innovative solutions, trust relationships & profitability and reduce the use of chemicals **WORLDWIDE.**

Vision:

Provide quality services that exceed the expectations of our esteemed clients, always keeping in mind the research of new solutions to offer a service and products of excellence.

Mission:

Build long term relationships with our customers and clients by providing an exceptional customer service by pursuing business through innovation and advanced technology.





VALUES & GOALS



Goals

- Increase the company's assets and investments to support the development of new products and services.
- International expansion in the field of ozone generator production and development of a strong key customer base.
- Increase the workforce to become a key player in the industry.





Message from CEO

Solution Ozone is a life project, the first time I discovered the use of Ozone was in Industry in 2002, after this I decided to read, learn, attend training courses and test much more with Ozone and try to discover everything we can do with Ozone.

Started in 2018 as “Gerozone Lda.”, with the goal of revolutionizing product research with the Domestic Kit, the requirements from the market were more and more every day, until we got to a situation where we can fulfill the requirements of the residential, commercial, medical and industrial markets. From the standard equipment that everyone can and should have in their own homes, until the biggest projects to fill the requirements of our most complex client.



Regarding the spirit of creativity, I think that it links us to the development, proposal of more differentiated and unique products or solutions and that each employee in the companies must return to their starting point to reconsider creativity as the driving force behind business expansion. It is a big advantage of our company that we continue to investigate and deliver various products and solutions to a wide variety of industries, while combining our unique core technologies at a high level of competence.

At the moment, when the changing speed of the world is more and more accelerated, I think that it is more important than anything else to anticipate market changes, to look one step ahead into the future, and to propose products and solutions that exceed the customers' expectations. “Innovation” as the keyword! We are aiming to meet the expectations of as many OZONE fans as possible and to develop further by striving positively to exploit new demands and develop new products.

Bruno Felício





WHY SOLUTION OZONE



Knowledge & Expertise

- ✓ More than 18 years of experience in the ozone industry;
- ✓ Wide portfolio of ozone solutions;
- ✓ We develop systems for all types of applications and industries.



Technical Support

- ✓ We can provide assistance in the selection & sizing of products;
- ✓ We can provide advising & assistance with troubleshooting of all ozone generators.



Worldwide Distribution

- ✓ Our Headquarters are in Portugal;
- ✓ Currently serving more than 200 countries around the world;
- ✓ We have partnership agreements with several distributors in different regions.



Diversified Offer

- ✓ Products developed for different applications;
- ✓ Coverage of different business areas - domestic, commercial, medical, industrial, among others;
- ✓ Our goal is to reduce the use of chemicals and protect the environment.



Competitive Prices

- ✓ High quality at low and competitive prices;
- ✓ Very low maintenance requirements;
- ✓ Access to different payment methods to turn the purchase easier.



Independent Laboratories

- ✓ We have our own laboratories to develop new applications;
- ✓ All of our products are subject to strict quality control;
- ✓ If we don't have the solution you are looking for, talk with us and we will try together to develop it for you.





WHAT WE DO



Research & Development

- ✓ New applications
- ✓ Lab investigation
- ✓ Tests & prototypes
- ✓ Troubleshooting



Training & Consultancy

- ✓ Ozone Training
- ✓ Consultancy services
- ✓ Maintenance training
- ✓ Installation



Technical Services

- ✓ Installation
- ✓ Maintenance
- ✓ Troubleshooting
- ✓ Manufacturing



Water Treatment Systems

- ✓ Equipments
- ✓ Spare Parts
- ✓ Manufacturing
- ✓ Support



Air Treatment Systems

- ✓ Equipments
- ✓ Spare Parts
- ✓ Manufacturing
- ✓ Support



Exclusive Solutions

- ✓ Design & Engineering
- ✓ Automation

**According to the clients
Needs & Requirments**



Domestic Solutions

- ✓ Disinfection
- ✓ Air Treatment
- ✓ Water Systems



Well Being Solutions

- ✓ Dental Solutions
- ✓ Ozone Therapy
- ✓ Well Being Solutions



Industrial Solutions

- ✓ Water Treatments
- ✓ Air Treatments
- ✓ Disinfection
- ✓ Exclusive Solutions

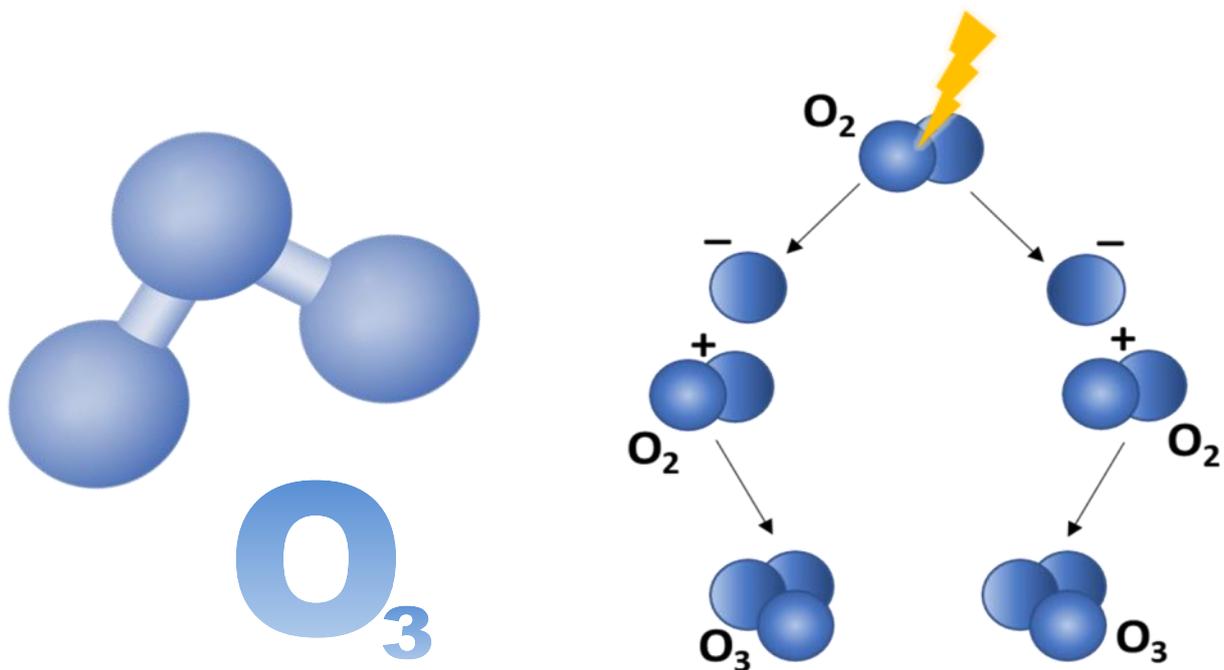




OZONE

Ozone is a type of natural gas, a relatively unstable molecule made up of three atoms of oxygen (O_3 – *trioxygen*). It is found in nature with a higher percentage on the ozone layer, but also, it can be produced with Corona discharge or UV for commercial and industrial applications.

Ozone is a pale blue gas with a strong and distinctively pungent smell. Ozone's odor is reminiscent of chlorine and detectable by many people at concentrations of as little as 0.1 ppm in air.



Ozone is a naturally occurring gas created from oxygen atoms. The oxygen molecule is made up of 2 oxygen atoms. These oxygen molecules are broken and single oxygen atoms cannot exist alone without regrouping back into di-atomic oxygen molecules. During this recombination stage some atoms will regroup into loosely bonded tri-atomic oxygen. This new molecule is called Ozone.

Ozone is 100% Natural and it is a very strong oxidant and an ideal chemical-free purification and a disinfecting agent.





OZONE TECHNICAL INFORMATION

Ozone Solubility

Ozone is soluble in many substances, forming either stable or metastable solutions. Under practicable conditions in water, ozone is more soluble than oxygen but forms a metastable solution.

Conditions that will affect the level of solubility of a gas in water:

- ✓ Water temperature;
- ✓ Water pressure: the higher the pressure, the greater the solubility;
- ✓ Gas pressure: increased pressure, will increase solubility;
- ✓ Concentration: If the gas you are putting into the water is in an increased concentration, this will allow for additional solubility;
- ✓ The efficiency of the diffuser, whose purpose is to transfer ozone into the water.

Ozone is:

- ✓ 10 times more effective than chlorine;
- ✓ 25 times more effective than Hypochlorous Acid (HOCl);
- ✓ 2.500 times more effective than Hypochlorite (OCI);
- ✓ 3.000 times faster to purify water than chlorine;
- ✓ 5.000 times more effective than Chloramine (NH₂Cl).

Ozone is exceptionally good at tackling harmful bacteria and leading them to death, because it has highly reactive properties, which means that it simply reacts with the bacteria and destroys it. A sufficient amount of ozone breaks through the cell membrane, destroying the bacteria.

Ozone destroys fungi and mold by diffusing through the fungal wall and into the cytoplasm, disrupting the organelles that direct cell function.

Ozone destroys viruses by diffusing through the protein coat into the nucleic acid core, where it damages viral RNA. At higher concentrations, by oxidation, ozone destroys the virus' exterior protein shell so that DNA or RNA structures are affected.





OZONE BENEFITS

A layer of ozone is found in the earth's stratosphere. Its primary purpose is to protect the earth from the sun's ultraviolet radiation, most of which it absorbs.

Eliminates a wide range of bacteria over 3000 times faster and 50% more efficient at breaking through bacteria membranes than chlorine.

Potent disinfectant at low concentrations that decomposes into oxygen gas leaving no by-products.

FDA-approved for direct contact with food that extends shelf life of most food products.

Efficient odor, taste and color remover.

Easily and economically produced at point of use. Easily detectable at low concentrations by humans, thereby safe to manage.

In medicine, ozone therapy is used to disinfect and treat conditions by disinfecting the area around them, improving the body's intake and use of oxygen, and activating the immune system.

Although ozone is a gas, developments in technology mean it can be used in several forms and different ways, including ozonated olive oil applied directly to the body, insufflation, ozonated water, injections, autohemotherapy, gas bath or sauna.

Ozone is beneficial to health by inactivating bacteria, viruses, fungi, parasites, yeast, and protozoa, stimulating the immune system to speed up healing, improving circulation by cleaning the arteries and veins, purifying blood and the lymph, normalizing hormone and enzyme production, having anti-inflammatory properties, reducing pain, stopping bleeding, limiting stroke damage, reducing cardiac arrhythmia or abnormal heart rhythm, reducing the risk of complications from diabetes, improving brain function and memory, and much more.





PRODUCTS CATAGORIES



DOMESTIC USE



COMERCIAL USE



MEDICAL USE



INDUSTRIAL USE





DOMESTIC PRODUCTS



The Tap Water System ozonizes running water from your tap. Ozone is a high disinfectant and can be used to disinfect foods such as fruit and vegetables, everyday objects or any object that accumulate bacteria.

TAP WATER SYSTEM

[Read More](#)



The Domestic Air Treatment System purifies and disinfects the air, eliminates unpleasant odors. It is also capable of eliminating viruses, bacteria and any particle that provides airborne contagion, improving air quality.

DOMESTIC AIR TREATMENT

[Read More](#)



The O₃ Domestic Kit allows one to ozonize different products with only one equipment. It allows water to be ozonized both for drinking and washing everyday products (food, toys, or other everyday utensils), oils, shower gel/shampoo, or even purify the air.

DOMESTIC KIT

[Read More](#)



AND MUCH MORE ...

Discover our entire range of domestic products, both for air and water treatment, or even to put inside the refrigerator. Visit our website and learn about all ozone properties.

[Read More](#)





COMMERCIAL PRODUCTS



This equipment combines only in one equipment, multiple purification systems (ozone, negative ions, and UV), with an immediate indication of the state and air quality and can be controlled remotely or directly on the touch screen panel. Ideal for commercial spaces or domestic use.

[Read More](#)

MULTIUSE AIR PURIFIER



The Garage O₃ System, developed for application in car repair and wash centers, is the perfect solution to guarantee the disinfection of your car, as it treats the air and removes bacteria, virus and odors, reducing the use of chemicals.

[Read More](#)

GARAGE CAR CLEANING



The O₃ Air Fragrances is an aroma diffuser with negative ions and ozone that combines the action of negative ions with ozone that improves the air quality, removes odors and allergens, and aromatizes the air. Ideal for wellness or aromatherapy centers or even for domestic use.

[Read More](#)

O₃ AIR FRAGRANCES



AND MUCH MORE ...

Discover our entire range of commercial products and together we will discover the best applications for your business. Visit our website and learn about all of the ozone properties.

[Read More](#)





MEDICAL PRODUCTS



The Dental Kit allows the water ozonation to provide correct hygiene of the mouth of patients during and after treatment, with water with disinfecting properties, bactericide, regenerating and healing without the use of chemicals.

[Read More](#)

DENTAL KIT



With powerful characteristics, as being a disinfecting agent, improving blood circulation, and oxygenizing the cells, Ozone is an incredible feature to be used in health treatments. The Med O₃ System is a fantastic option to apply the use of Ozone in healthcare.

[Read More](#)

MED O₃ SYSTEM



AND MUCH MORE ...

Discover our entire range of medical products and together we will discover the best applications for you. Visit our website and learn about all of the ozone properties.

[Read More](#)





INDUSTRIAL PRODUCTS



The Lab O₃ System is an ideal option for Lab disinfection, research use and, odor removal. This Ozone generator comes in 3 models and can be applied in water purification, surface, and material sanitation, reducing costs and removing odors, in a natural way.

LAB O₃ SYSTEM



[Read More](#)



The Portable Single O₃ Detector allows for the continuous detection of ozone, equipped with a gas detection sensor in the air. This detector is able to identify ozone leakages up until 20ppm, in 30 seconds, allowing anyone to have a safer work environment. It has high reproducibility and sensitivity, and can be used for up to 8h!

PORTABLE O₃ DETECTOR

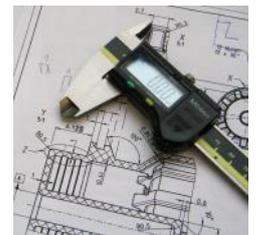


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We develop solutions according to your needs. Ozone is a strong ally in the most diverse industrial areas, from the water treatment sectors, to the food sector, there are numerous advantages that ozone can offer, guaranteeing excellent results, with a cost reduction and it is a 100% natural solution.

CUSTOM APPLICATIONS



[Read More](#)

AND MUCH MORE ...

Discover our entire range of industrial products, many of which are developed to your needs and together we will discover the best applications for your business. Visit our website and learn about all of the ozone properties.

[Read More](#)





OUR FACILITIES

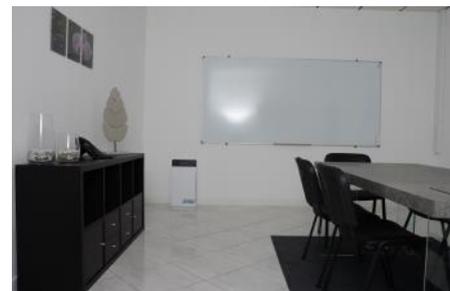
Reception & Show Room



Show Room



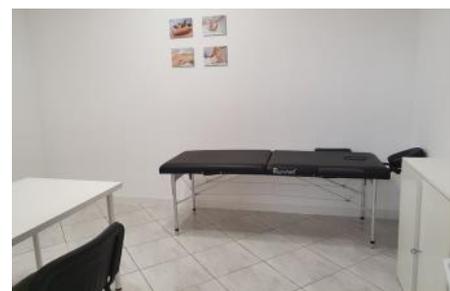
Open Space & Meeting Room



Lab & Production Room



Waiting Room & Clinic





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