

# **OZONE**

**WATER SOLUTIONS**

## Goal



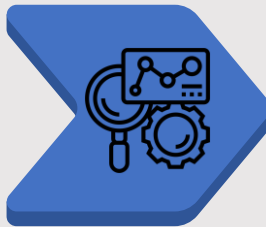
Implement ozonation in water treatment to achieve a desired water quality, aiming at cost optimization for the customer.

## Applications



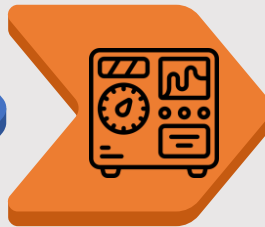
- Accelerate the removal of Arsenic, Iron and Manganese in drinking water.
- Control taste and smell in water.
- Control the formation of chlorinated organic by-products and trihalomethanes.
- Increase the effectiveness of the filtration process.
- Disinfection.

## Implementation



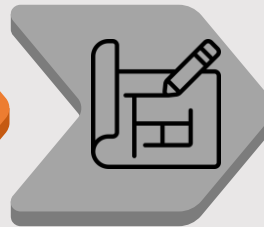
### diagnosis

- Historical data analysis
- Design analysis
- On-site inspection



### Prototype

- Bench test of the water
- Results Analysis
- Feasibility Study



### Project

- Technical drawings
- Calculation report



### Installation

- Purchase
- Construction
- Starting



### Monitoring

- Periodic Analyses
- Maintenance Service

# Our Time



**Ricardo Barros**, Engineer and Project Manager  
Developer and entrepreneur. Co-author of the website hydro-informatics.com. Civil Engineer and MSc. from the University of Stuttgart in Water Resources Engineering and Management. Ricardo focused his studies on water treatment and hydrological data science. He also accumulated professional experience working for EnBW.

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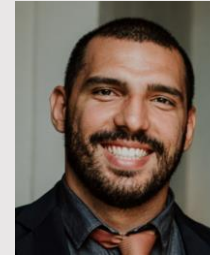
**Ricardo Pontes**, Partner  
Entrepreneur and Lawyer. CEO and majority shareholder of the company Superzon LTDA, which has been in the water treatment market for over 50 years. Superzon is the largest filter company in the northeast region of Brazil.

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**Pedro Albuquerque**, Administrative advisor  
Entrepreneur and Lawyer. Pedro Albuquerque is partner of five successful start-ups and founding partner of APSV Lawyers, where he coordinates the areas of tax and legal innovation. In the area of legal innovation and start-up law, he has over 5 years of experience in providing legal advice to investors and founders in various market segments (edtechs, fintechs, logtechs, healhtechs).

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**Fabrizzio Moretti**, Mechanical Engineer  
Machine Designer. Mechanical Engineer with a focus on fluid simulation and Manufacturing. Fabrizzio has accumulated three years of experience working in the production of ozone generating equipment.

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**Cláudio Pinheiro**, Chemist and Partner  
Entrepreneur and Industrial Chemist. R&D Director of Superzon with over 15 years of experience in the application of ozone in various industries. Claudio has led 31 ozone application projects primarily in the fields of swimming pool treatment, industrial waste treatment, and fruit processing for export.

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**Marcos Capitulino**, Consultant  
Professor at the Federal University of Maranhão (UFMA). Environmental Engineer and Master in Sanitary Engineering (UFRN). PhD candidate in Water Resources and Environmental Engineering (UFPR). He has worked as an environmental analyst, responsible for analyzing water supply and sanitary sewage projects and preparing technical opinions to support the issuance of environmental licenses.

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