



IRIDE
ACQUE

Clean water
is our mission





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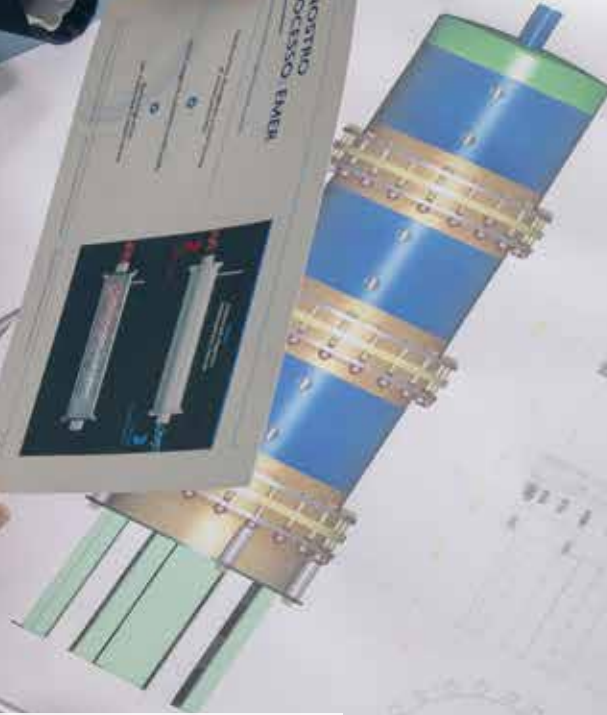
GOAL:
SPREADING
AWARENESS
ON THE USE
OF WATER

 **irideacque**
INNOVATIONE E TECNOLOGIA

**L'INNOVAZIONE
APPLICATA ALLA
DEPURAZIONE DEI
REFLUI INDUSTRIALI**

**L'INNOVAZIONE
ALLA
RICERCA DEI
MATERIE**

**IL NUOVO
PROCESSO EMBI**



Iride Acque: Innovation & Sustainability



Iride Acque is an innovative SME (because innovation is our mission) and a Benefit Company. After all we try, every day, to contribute to spreading awareness on the use of water, thereby creating an alternative new culture on how we perceive and use water. We primarily deal with the treatment of industrial wastewater along with a focus on its reuse. We also provide solutions related to the treatment of water used by industries.



Iride Acque was founded in 2015 by a group of managers with more than 20 years of experience in the sector. These managers had detected a profound change taking place when companies were being called upon to deal directly with the purification of their wastewater while they were unable to find available products that offered effective solutions.

Today, through partnerships and collaborations of excellence, Iride Acque offers innovative solutions for treating and reusing industrial water.



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WHY IS
WATER
SO PRECIOUS?

Even a tiny drop of water can make a giant difference to our future

No form of life is possible without water which makes water both a scarce and non-reproducible commodity. Hence, it is a resource that is highly precious, and the problems associated with its limited availability now affect more than 45 percent of the world's population. This percentage is unfortunately set to increase over time.

Changes in hygienic habits and increasing urbanization are critical factors that predict that water stress cases will rise sharply in the not-too-distant future. It is therefore imperative that each of us takes an active part in protecting and conserving water by contributing to respectful water management be it at a domestic, industrial, or agricultural level.

Iride Acque deals with industrial water.





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LET'S WORK
TOGETHER
**TO REDUCE
WATER
CONSUMPTION**



What is a water footprint?

Water footprint is the total amount of freshwater that is used to produce goods or services, while also taking into account the availability of water in the countries where the water is being collected.

Everything we eat and purchase requires a certain amount of water which is often “invisible.” The water footprint calculates the water supply that we consume and are unaware of.

A proposal to indicate the water footprint of every product, as is done with CO₂, has been advancing for some time.

One alarming fact is that in the past 100 years, there has been a 600 percent increase in global water consumption.



WORLD WATER CONSUMPTION

1900

2025



Population
nearly 2 billion



Population
more than 8 billion



Potable water consumption
600 km³



Potable water consumption
6000 km³



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A WORLD
INCREASINGLY
FOCUSED ON
SUSTAINABILITY

Sustainability advantage for businesses



By measuring the water footprint and developing systems and procedures for sustainable water management, a business could gain a competitive advantage in markets that “reward” companies for their concrete commitment to the environment and society.

This commitment enables the creation and consolidation of a community of consumers attuned to the values practiced by companies that adopt such policies.



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OUR
**VALUE
PROPOSITION**

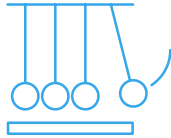


Benefits of our solutions



Effective treatment

Our solutions can treat even the most recalcitrant wastewater, for which normal technologies are not effective.



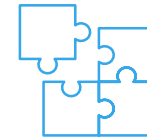
Automation

Our plants are automated in compliance with the requirements of the Transition 4.0 Plan.



Control from a distance

Although very simple to operate, our installations are both remotely controllable and tele-manageable.



Adaptability to pre-existing installations

Our systems integrate seamlessly with pre-existing installations by supporting their operation.



ON-OFF

Our plants can operate only when needed.



Small size

Our solutions can accommodate any flow rate that needs to be treated.



User-friendly

Our plants are designed and automated for anyone to use.

XS

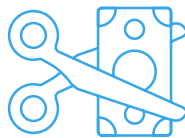
Reduced size

Up to 85% smaller than those using alternative technologies.



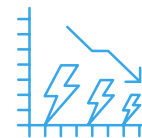
Modularity

Our plants can grow with the company or adapt to different needs related to changing production.



Cost Reduction

A saving of up to 75% in Capex compared to other technologies.



Reduced energy consumption

Save up to 70% in energy consumption compared to other technologies.



Sludge disposal reduction

Reduction of sludge production up to 65% compared to the use of other technologies



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RECYCLE:
A TOOL
WITHIN
EVERYONE'S
REACH



Circular economy is embedded in our DNA



We believe that looking towards a world increasingly inspired by the ideas of a circular economy could provide us with numerous benefits. Some of the main advantages of adhering to a circular economy are a reduction in the exploitation of the environment, optimization of the use of raw materials, and thus an inevitable boost to innovation and economic growth. We strive daily to ensure that if something is still working, it mustn't be thrown away but rather “recycled” and reused.

Recycling used battery

By recycling some of the materials needed to produce our catalyst from spent batteries, we not only keep production costs down but also allow waste to be used as a product again which actually contributes to protecting the environment.

The reuse of wastewater

Using hydrogen peroxide, our technology allows wastewater to be disinfected during treatment, making it particularly suitable for reuse.. We firmly believe that wastewater recycling and reuse is the most immediate way to combat drought in the short term today.

Adaptability to pre-existing installations

Machines built through the application of our technology integrate seamlessly with any pre-existing installations: thus, an old plant can return to business or increase its treatment capacity instead of being discontinued.

The modularity of our machines

We wanted our machines to be “modular” so that they can grow with the company that uses them or adapt perfectly to the variation of certain productions.



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EMER:
TECHNOLOGY
THAT MAKES
THE DIFFERENCE

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numbers

Up to
70%

Reduced energy consumption

A reduction of up to 70%
in energy consumption
compared to using
other technologies.

Up to
65%

Sludge disposal reduction

A reduction of up to 65%
in the need for
sludge disposal compared
to other technologies.

Up to
10 kg

Recycled spent batteries

Each vessel placed in our plants
contains a catalyst produced
by reusing up to 10 kg
of spent batteries.

Up to
70%

Savings in Investment

Due to the small size
of our plants, our investment
cost is reduced to between
50% and 70%.

Industries that we work with closely



Companies that have chosen **us**



Acque Bresciane
Integrated Water Service Manager



Caseificio Sociale il Battistero
Food & Beverage - Dairy products



Niagara
Industrial wastewater treatment platform



Azienda Servizi Integrati Lambro
Integrated Water Service Manager



Tintoria Emiliana
Textile & Fashion
Textile Dyeing



Iren
Industrial wastewater
treatment platform



Panama Trimmings
Textile & Fashion
Producing fashion accessories



Trivium Packaging
Manufacturing packaging
materials and metal containers



Rosa dell'Angelo
Food and Beverage Industry
Meat processing



Mutti
Food and Beverage Industry
Preserved Foods



Ambienthesis
Industrial wastewater
treatment platform



Cantina Colle Moro
Food & Beverage
Winery



Birificio del Ducato
Food & Beverage
Brewery



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TOGETHER
WE CAN
MAKE A
DIFFERENCE





Let's meet up!



Iride Acque offers a **free check-up** on water used in production processes to optimize its quality, maximize its reuse and minimize its consumption. Upon request, a specialist from our team will contact you to gather initial information and arrange a visit to your site.

The goal is to assess the needs of your business together and propose the most suitable solutions, **including customized solutions**.

You can also follow updates on our social media channels and check out our website.

 <https://www.facebook.com/Irideacquesrl/>

 <https://www.linkedin.com/company/i-ri-de-s-r-l>

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