



CATALOG
WT.INTERNATIONAL

AGRICULTURE



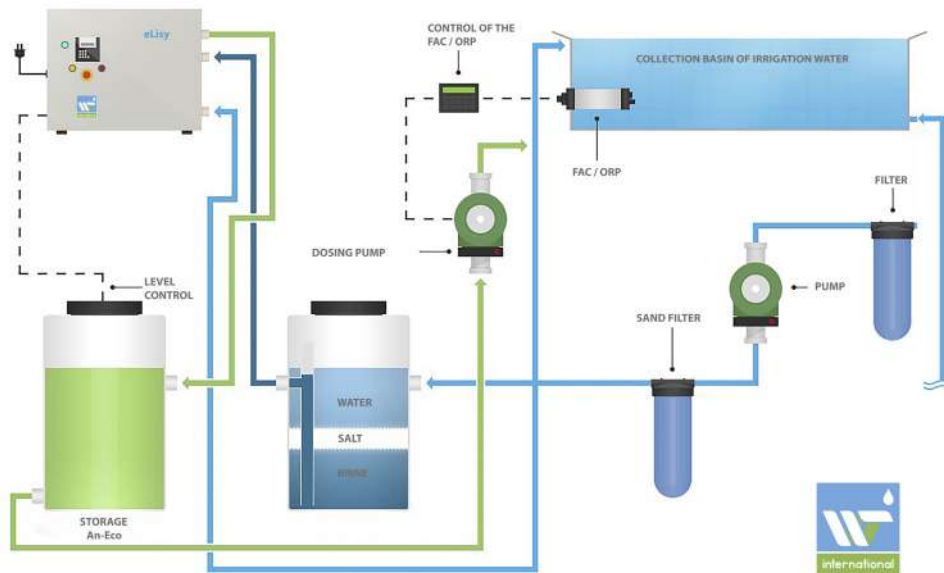
A WORLD OF WATER

Sustainable development is the key word of our project!

Reducing the cost and the consumption of companies is a present-day necessity. Doing so while being attentive to the environment and with an eye on the future, is an indispensable choice.

WT.International® designs, builds and installs water treatment, sterilization, purification and purification systems using economically and ecologically sustainable solutions, which are alternatives to chemicals and are capable of generating benefits for people and businesses.

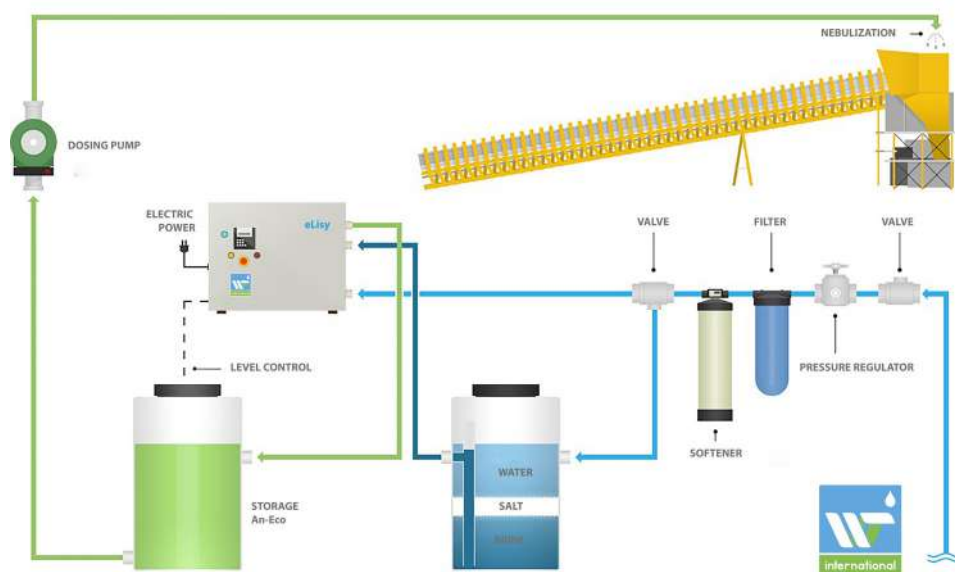
Schema of water storage for irrigation.



WT.International® solutions with their powerful bactericidal properties offer a wide range of applications for the agriculture industry. At the same time, WT.International® solutions also enable a substantial reduction of toxic emissions at low costs. Thus, they allow for significant savings compared to conventional methods, usually more expensive.

These solutions are safe and easy to manage, so much so storing harmful chemicals will no longer be necessary.

Schema the nebulization of SILENO.





Livestock

- A total hygiene program for zootechnical field.
- Sterilization of milking equipment.
- Cleaning milking parlors and other farm buildings.
- The Teat-dip to control and reduce the number of somatic cells.



Veterinary Medicine

Small, compact unit produces a bioactive solution capable of treating a wide range of situations with a high bacterial and viral load, for the purpose to provide farmers with immediate access to effective treatments.

WT.International® solutions have been successfully used against dysentery, mastitis, hoof fungal infections, ringworm and respiratory infections, as well as against foot-and-mouth disease.

They also increase resistance to infectious diseases in animals and facilitate their recovery.



Agriculture and horticulture

The **WT.International®** solution allows a net increase in crop yields, disinfects cereals, extends the shelf life of fruits and vegetables and purifies irrigation water (crop irrigation and pest control) .

It preserves the silage and reduces the toxicity of the scent.



FOOD PROCESSING: GREEN FODDER / SILAGE CONSERVATION

An-Eco®, generated by **WT.International®** systems, is recommended as a preservative in the forage / preparation / storage of green silage for storage. The use of An-Eco® does not radically affect the traditional conservation process of forage/ silage.

On the one hand, An-Eco® acts as a preservative, which causes no side effects for forage / silage quality, which is often treated with traditional chemical preservatives.

On the other hand, An-Eco® acts like a normal preservative, adding acidity to forage/ silage, and disinfectant.

In addition, An-Eco® stimulates the «breathing» of plants, which results in the preservation of many important vitamins, which usually disappear when the temperature exceeds 50 ° C.

Another important benefit of its use is its capacity to maintain high quality green fodder/ silage for future consumption, regardless of moisture content, composition or weather conditions.

Storing green fodder/ silage with An-Eco® guarantees a better quality of the product and its preservation.

Consumption of better green fodder / silage increases milk production (about 19%) and increases the weight of young animals (average increase in daily weight by 42%).



Cost analysis based on the efficiency of the use of An-Eco® compared to the traditional conservative:

Type of conservative	Cost of 1 tone (EUR)	Requirements for 1 ton of silage (L)	Cost of conservative for 1 ton of silage
An-Eco®	2,5 EUR/Ton or 0,0025 EUR/L	15 L/Ton	0,0375 EUR/Ton
Traditional preservative based on mixing organic acids	800 EUR/Ton or 0,8 EUR/L	5 L/Ton	4,0 EUR/Ton

Below are other advantages of using An-Eco® in green fodder / silage preservation:

- 95 to 100% of the green fodder / silage can be stored safely for later reuse;
- **An-Eco®** is an ecologically safe preservative, unlike traditional chemicals which are often toxic, explosive and leave chemical residues in the fodder. It can only be used 2-3 months after green fodder / silage treatment;
- **An-Eco®** prevents other risks often associated with the handling of dangerous chemicals;

UNIQUE AND INNOVATIVE - EASY TO USE

The diaphragmatic cell of **WT.International®** is a round electrolyte reactor made of titanium and rare metals. The electrodes are separated by a ceramic polymer or diaphragm. Even under extreme conditions, hardly can any cellular element be broken or seriously damaged. Universal diaphragmatic cell for the treatment of diluted and concentrated aqueous solutions is the core of any **WT.International®** unit.

SMALL SIZE-GREAT CAPACITY

Small and portable, all **WT.International®** cells have a variable production capacity of 20 l to 1200 l of An-Eco® per hour. As a result, with a single eLisy unit, 20 to 1,200 m³ / h of water can be treated and disinfected and a dose of up to 1,200 l / h of An-Eco® can be administered.

PERFORMANCE OF THE DIAPHRAGM CELL

In addition to the main electrochemical reaction that occurs with the electrodes, the high intensity of the electric field at the surface of the electrode gives the water and its dissolved salts some electro-meta-stability, thus, increasing its ORP in the order of -800mv and + 1200mv respectively in the two flows.

This meta-stable condition remains as such until 72 hours after treatment and even longer, and maintains intrinsically higher reactivity and chemical activity during this period and even longer (when activated solutions are properly stored, they remain highly effective for 6 to 18 months).

ORP is considerably higher than in any other product. It significantly increases the solubility, dispersion and reaction properties of water and its dissolved salts in large quantities and is a key indicator of biocidal potential.

The properties of these solutions depend on the electrical characteristics of the power supply and the chemical composition of the treated solutions. The pH level of the synthesized solutions is controlled in the pH range 2.5-13.0, but being adjustable, it can be set for specific parameters. des paramètres spécifiques.





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