



Electro-Chemical Activated  
Disinfectant & Water Purification  
Equipment & Liquids



## POULTRY & LIVESTOCK

Installation, process development, servicing and consultation for Poultry, Livestock & Vegetable Production and Meat Processing including Sterilization & Disinfection.



## HEALTHCARE

Solutions in over 500 hospitals in Germany, France, Poland & Russia. Used for Drinking Water Purification, Surgical Disinfectant and General Sterilization of Wards & Intensive Care Units.



## FOOD & BEVERAGE

Sterilization & Disinfection in Food and Beverage Plants, Closed circuit cleaning systems, Bottling plants to automate and control the systems adhering to EU Health & Safety standards.

## COMPANY HISTORY

Founded in 1998 to create **Disinfectants**, Detergents and Water Purification **Equipment & Fluids** by electro-chemical activation technologies. Today, the company holds multiple patents and awards for its technology. Izumrud holds **EU Certification** for the production process and its appliances. It is a EU Chemicals Agency registered company with offices & a partner distribution network covering Europe, Middle East, Africa, Asia, North & South America.

## PRODUCT DETAILS

Aquaeca **Machines** generate powerful, pH neutral **Disinfectants**. Non-corrosive, ecologically safe, harmless to humans. These are manufactured on-demand by customers and physically destroy microorganisms preventing immunity. Izumrud's units are ideal in sectors such as Public Health, Agriculture, Food & Beverage & the Oil & Gas industries. Aquaeca offers both **Machines** & the **Liquids**.

## TEST SUCCESS

**Legionella**, Acinetobacter baumannii, Escherichia coli (O157), Enterococcus species (VRE), Helicobacter pylori, **Listeria**, Mycobacterium avium-intracellulare, **HIV-1**, Mycobacterium bovis (TB), Mycobacterium chelonae, Mycobacterium terrae, Mycobacterium tuberculosis (TB), Mycobacterium xenopi, Mycobacterium smegmatis, **Aspergillus Niger**, Pseudomonas aeruginosa, **Staphylococcus aureus** (MRSA), Salmonella choleraesuis, Adenovirus type 4, Bacteriophage MS2, **Hepatitis** Herpes virus type 1, Human and Animal Influenza (including **H5N1** Avian Influenza and **H1N1** Swine Influenza, **SARS-COV**), MS2 virus Human Norovirus (Norwalk), Murine Norovirus, Orthopoxviral, Poliovirus type 1, Poliovirus type 2 .....



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# AQUAECA

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## HOSPITALS

Installations in two 1,000 bed hospitals in Germany for over a decade. Installations to date include hospitals sized from 100 beds upto 2,000 beds across the EU.

## INDUSTRY

Diverse set of references across a multitude of sectors in Europe & South America. Customers include Bosch, Proctor & Gamble, Unilever, Ford Plants & VW Plants.

## REFERENCES

### BEVERAGE CO

Country-wide install at world renowned beverage company plant servicing, & deployment of the fully automated system, realizing TCO & payback within 2 years.

### LIVESTOCK CO

Supply, installation and process development for poultry and meat processing plants, sterilization and disinfection at 3 individual meat processing plants in Girona, Spain.

## WHY USE AQUAECA FAST FACTS



Kills all Germs & Viruses.



Non-corrosive Non-abrasive, and non-irritating to skin.



Significantly reduces your cleaning costs.



Different capacity machines to suit requirements.



No protective measures required. No hazardous or chemical risk.



Items and premises can be wiped, immersed or fumigated.



Physically destroys Germs, Viruses, Fungi and Spores - no chance of immunity.



No Biofilm residue or rinsing required. Completely safe for human interaction.



Buy or Lease, Pay per Use options.



CE Mark, with 10+ patents protecting related technology & processes.

## EXAMPLE USE CASES

Used in Human hygiene - Hospitals, Airports, Dental Surgeries, Kindergartens, Schools, Universities, Gyms, Shopping Centers, Swimming Pools, Municipal Health (fountains, sewerage, markets), Food and Drink Preparation - Bottlers, Meat, Vegetable Producers, Processors and Packers, Dairy & Agriculture.



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