

YOUR AQUA-LYTE ENVIRONMENT



IQ ECA HOSPITALITY BIO-SECURITY OFFERING

We want the hospitality industry to look further than just “trying green” and embrace a whole new philosophy associated with the terminology of *Aqua-Lyte solutions* and *environmental responsibility*



IQ ECA
TECHNOLOGIES (PTY) LTD



Aqua-Lyte
Solutions & Systems for Hospitality

What is this new philosophy?

The ability of the hospitality industry to adapt to innovative end-to-end, environmentally friendly solutions that enable the complete facility to diminish the use of harmful chemicals across all applications, from water treatment to in-house cleaning, without increasing costs or changing process design.

By “end-to-end” we mean applications across the whole facility, from the treatment of incoming potable drinking water and the expelled waste effluent water, to chemical-free solutions in housekeeping, kitchens, restaurants, conference centres, laundry, swimming pools and change rooms.

In the past hotels saw fit to market the fact that they were being environmentally conscious by just changing a few token products or processes and procedures. One of the primary reasons why this change merely scratched the surface is

because “going green” is not a cheap exercise. Environmentally friendly products or solutions are often extremely expensive, and if the cost is not passed on to the consumer, hotel groups experience too much pressure on the bottom line. In simple terms “going green” is not affordable, and therefore companies skimp on complete solutions.

By combining the powerful forces of science and nature, IQ ECA has managed to provide a complete, environmentally friendly solution which replaces multiple products and applications on site.



How is this possible?

The IQ ECA Technologies solution is the result of advanced engineering which produces two unequalled products developed from the electrolysis of water and salt on your facility site.

The IQ ECA Technologies system splits water and activates the solutions into an oxidant stream for disinfecting and sanitising applications (**Ano-Lyte** Sterilant), whilst the antioxidant stream is used for cleaning and degreasing in housekeeping and laundry

(**Catho-Lyte** Degreaser). These products can replace up to 80% of the existing chemicals purchased for operation of the whole hospitality facility.

Due to the product's water concentration there is no detergent residue left behind on surfaces, as we have seen with old chemicals in the past. Residue is a breeding ground for dirt and germs.

The product is made up of **99,69% water**. It can be ingested or dispersed into the environment, has **no harmful effects** on humans or the earth, and yet still acts as a world-leading virus and bacteria killer.



Areas of application

Housekeeping

Staff typically needs to transport at least seven or eight chemicals and various tools to each unit. Since the introduction of the **Aqua-Lyte** solutions this has been reduced to three easy-to-carry products, along with the latest in advanced cleaning hardware.

Water

Disinfection of any incoming potable and outgoing effluent water without the use of harmful chemicals.

Laundry

In-house laundry can also make use of **Aqua-Lyte** products to replace several chemicals, like dangerous stain-removal and bleaching products. Staff no longer needs to be exposed to these hazardous substances. **Aqua-Lyte** products also compliments existing washing powders to reduce volume and cost.

Kitchens / Food preparation

Aqua-Lyte products can be used for complete general degreasing and provides a high care level of sterilising all surfaces, appliances and hands.

Aqua-Lyte has food-safe accreditation, and is even used on food to improve the shelf life and freshness of produce ranging from meats to vegetables and fruit. The degreaser can be added to natural oil-based products to produce a heavy-duty degreasing solution.

Other applications

- Replace chlorine in Jacuzzis and small pools
- Disinfect saunas
- Flush filter systems to improve filtration and media life
- Improve animal health with water treatment and oral applications
- Replace alcohol sanitisation in spas
- Improve hygiene and odour in gyms
- Disinfect play areas and toys
- Sanitise and degrease air conditioners
- Manage moss and fungi growth
- Degrease braai grids
- Disinfect and manage odours in refuse areas
- Improve irrigation water and encourage botanical growth



Benefits

We are finding new benefits with existing clients on a daily basis. To date the major benefits enjoyed include the following:

- The product is manufactured on site and managed by us, which means:
 - no purchase orders
 - no ordering or receiving of chemical stock
 - if you need more product, you manufacture it at no increased cost
 - resource/staff time saving
 - no pilferage
- Hospital-level hygiene standards can be achieved
- One supplier of all peripherals (mops, dispensing units etc.)
- Improved food quality, freshness and safety
- Continuous in-house training and development
- No detergent residue like that caused by traditional chemical use
- Powerful remover of unpleasant odours in dumping and waste areas
- World-class service level agreement (SLA)

The ability to market that your facility as an **Aqua-Lyte** environment – guests are eating, sleeping and bathing in chemical-free environments

- Food is being prepared with minimal chemical exposure
- Certified potable water treated with a natural chlorine-like acting substance

We have also enabled clients to develop a personalised brand of the product to hand out to guests as giveaways. This mostly consists of personal hand sterilisers and mouthwash.



How can you create your own Aqua-Lyte environment?

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