



Improve your laundry performance
and enjoy real savings.
We say, we do, we deliver!



Water and Energy Saving for Laundries



Background & Company Profile

Due to the high interest in water & energy conservation and reducing greenhouse gas emissions, as well as the interest in reducing laundry operating costs, Meertex Pty Ltd founded Ozone Laundry Systems (OLS) in July, 2004. It committed to deliver the most beneficial ozone systems in the market place.

After a long term research project during 2004, extensive international travel and months of intensive training, Ozone Laundry Systems (OLS) selected the Ozone Laundry Support System™ manufactured by NuTek International as the system of choice. Since 2004, OLS has established a long-term business relationship, firstly with exclusive distribution rights for Australia and in 2006 as the master distribution manager for the Asia Pacific Region. Today, not only are we saving water and energy in laundries throughout Australia, we also have a joint venture company importing our product in to China, as well as distribution in India, Sri Lanka, New Zealand, Malaysia and Thailand. Hotels such as the Holiday Inn Shenzhen pictured are enjoying the benefits of the lowest possible water and energy consumption to launder textiles.

OLS never rests on its past performances. We listen to the feedback from customers, care for their concerns and maximize our focus and resources into updating our services by providing all-round technology and professional knowledge specialized in laundry operations.

Mission Statement

To be a profitable and most respected supplier in Australia of water and energy saving technologies to the laundry industry through co-operation with all stakeholders to continue developing knowledge and expertise to provide, on a project-by-project basis, customer satisfaction at all times within a framework of best practice.

Vision Statement

To be recognized by our customers as the leading supplier of ozone technology to the Asia Pacific laundry industry through:

- Building the most appropriately skilled team
- Applying the highest quality products available
- Providing reliable after-sales support
- Achieving equitable dividends for all stakeholders

Values Statement

- To be customer focused
- To provide accurate cost benefit analysis
- To be responsive
- To be innovative
- To encourage excellence through continuous improvement

With consistency in offering high quality equipment, advice and professional after sales service, OLS has won the trust and support from the likes of the Intercontinental Hotel Group, Marriott Hotels and Resorts, Rydges Hotels & Resorts, Freespirits Resorts, Aged Care Services Australia Group, Carrington Aged Care Group, Royal Freemasons Benevolent Institution, Frank Whiddon Masonic Homes, Clanwilliam Aged Care, Freemasons Homes of Southern Tasmania, Uniting Care, Baptist Homes and the Cooke Care Group to name a few. The promises that were made were converted into tangible savings and improved wash quality for their laundries.

We say, we do, we deliver!

LEADING PRODUCT ON THE MARKET

Performance

The Ozone Laundry Support System™ is designed for commercial and industrial laundry facilities utilising ozone as the most effective oxidant and biocide available to the laundry industry. Designed to reduce water, sewer, energy consumption, labour and extend the life of linen. The Ozone Laundry Support System™ produces the ozone and the Fail Safe Delivery System™ (FSDS™) ensures a guaranteed delivery of ozone to the washer extractors. This is the key to implement successful ozone washing, utilising cold water washing only and maximizing the savings of energy cost. Heating energy consumes up to 90% of the energy consumption in washing textiles. Using the Ozone Laundry Support System™ the washers' energy consumption is reduced dramatically. Ozone also reduces drying energy by 20-35% due to greater dewatering during the washer spin cycle.

Reduce wash steps to save water, energy, time and labour: With the Ozone Laundry Support System™ a pre-wash is eliminated as well as one rinse. Thus it saves water by 40-45%, electricity used to operate the equipment by 10-15%, 100% of the water heating energy (both in the hot water service and the boosting heating inside the washer) and reduces wash time by up to 20%.

Prolong the linen life: The linen life span is increased by washing in cold water and reducing drying time. Shorter washing and drying time mean less mechanical wear.

Efficient deodorizer and disinfectant: As a well known deodorizer and disinfectant, ozone destroys all bacteria, viruses, mould, fungal spores and eradicates odour.

Purify wash water and reduce pollution discharge. Ozone is a good water purifier which can reduce pollution by half.

The ozone laundry system can improve working conditions by lowering working temperature, and reducing air conditioning load in the laundry.





Ozone Background

It is reported that a Dutch chemist named Van Marum was probably the first person to detect ozone gas sensorially. In the notes of his various experiments, he mentioned a unique smell around his electrifier.

However, the discovery of ozone was formalized ten years later, in the writings of Christian Schonbein that dates back to 1840. This discovery was presented to the University of Munchen. Schonbein had noticed the same characteristic smell during his experiments that Van Marum had tried to identify earlier. He called this gas 'ozone', which is abstracted from ozein; the Greek word for scent. Generally, the discovery of ozone is attributed to Schonbein. Moreover, Schonbein is mentioned as the first person to research the reaction mechanisms of ozone and organic matter.

Initially, circa 1906, ozone was used as a clarifying, deodorizing and purifying agent in drinking and waste water treatment plants in Europe with Nice being one of the first cities to utilize ozone in the water supply. As the population in cities increased, the water catchment areas become closer to human activities, an ever increasing disturbance of the water catchment areas occurred resulting in difficulty to remove organic micro pollutants in surface waters. These compounds appeared to be oxidized by ozone faster than by chlorine and chlorine compounds.

Furthermore, ozone deactivates even those microorganisms that develop resistance to disinfectants, such as Cryptosporidium, Staphylococcus Aureus (Golden Staff), Vancomycin-Resistant Enterococci (VRE).

Today, cities such as Dallas, San Francisco, Paris, Shanghai, Mexico City, and Kim-hae Korea are just a few cities that utilise the extensive properties of ozone in the cities water systems.

In the late 1970's, ozone's properties were investigated in the US by Jet Propulsion Laboratory, NASA. These studies confirmed the disinfecting and resource conservation benefits of ozone.

In the early 1990's, NuTek International Inc. carried out research and development programs over a 3 year period. From these development programs the OLSS™ was born and has demonstrated, in over 20,000 laundries in 32 countries, the real benefits of ozone in a commercial laundry application.



SIZE TO SUIT ALL LAUNDRIES

Ozone Laundry Support Systems™ (OLSS™)

As the only full line manufacturer of ozone laundry systems in the world, NuTek International is the market leader in the ozone laundry industry. The OLSS™ is designed with perfect security control, long life of 10-15 years and many patents. It has been successfully installed in over 20,000 laundries in 32 countries around the globe. These systems can be found in Hospitals, Aged Care Facilities, Hotels, Motels, Prisons, Commercial & Industrial Laundries and in virtually all other type professional laundries.



- Micro** Designed to handle approximately 25Kg of total washing capacity.
- NT-300** Designed to handle approximately 80Kg of total washing capacity.
- NT-350** Designed to handle approximately 160Kg of total washing capacity.
- NT-400** Designed to handle approximately 240Kg of total washing capacity.
- NT-500** Designed to handle approximately 320Kg of total washing capacity.
- NT-800** Designed to handle over 320Kg of total washing capacity.
- NT-1000** Designed to handle larger application.

■ Each system can support four washer.

Start saving money today!

Hallmarks

- Automatic system with long life design. The system is fully automatic and operates in accordance to the washer's procedure. It is a flow controlled, oxygen concentration system with estimated life of 10-15 years, concentration on the wash load connected to the system.
- Reliable and safe. The whole system is a non-invasive system and operates in safe mode. It will do no harm to the environment & equipment and is completely safe for the laundry staff.
- Supports any commercial washer. OLSSTM is a plug and operate system and will not change the original washers' functions.
- Easy installation and maintenance. The installation will not interrupt the laundry operation with most installations being completed in an afternoon. A lint filter needs to be cleaned once a week.
- High efficiency and reliability. The patented design produces a high concentration of ozone according to the input water volume with less ozone equipment. The OLSSTM dominates the market today, as the most efficient and reliable ozone system for laundering.



THE MOST EFFICIENT AND RELIABLE OZONE SYSTEM



Our Service

- Incorporation of the OLSS™ into the design of the laundry
- Advice on best suited laundry equipment to maximise cost savings and deliver full benefits to the laundry operation
- Installation, commissioning and staff training of the system
- Ozone Laundry Systems technical support
- Technical training if required
- Follow-up service for the operation and wash quality monitoring & troubleshooting
- Long term maintenance

Start saving money today!



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