Odorox® Technology: breakthrough 'green' air purification equipment range launched in the UK by OHT Solutions Ltd.

Wednesday, 2nd April 2014

OHT Solutions Ltd (OHT) (www.ohtsolutions.com) has launched the Odorox® air purification and decontamination equipment range following its recent CE validation.

Available directly from OHT, as well as selected UK based partners, Odorox® technology is a breakthrough, hydroxyl radical (•OH) based air purification innovation. The technology safely and powerfully neutralises airborne and impregnated odours, bacteria, viruses, fungi, over 5000 types of VOCs (volatile organic carbon species) including many pollutants, plus greenhouse gases and airborne contaminants such as smoke in any interior environment.

Odorox® technology is described by OHT as 'a green innovation that can provide superior air quality assurance in any internal environment and is essential where simple air filtration is not enough'. Developed from a concept originally pioneered by NASA but adapted and perfected by HGI Industries Inc. (Boynton Beach, Florida, USA), Odorox® technology is genuinely 'green' as it replicates the natural outdoor effect of sunlight on water vapour but brings the process indoors, efficiently producing highly reactive hydroxyl radicals, the 2nd most powerful natural decontaminant in nature. Contaminated air is purified by being drawn into an optimized and enclosed UV reaction chamber within each Odorox® unit. This optimized chamber in turn emits a powerful hydroxyl cascade that acts within interior living, social and work spaces and on contaminated surfaces.

Odorox® technology has already been successfully launched in the US, Canada, and Australia and is now available from OHT in the UK. The full range consists of 11 highly efficient, low maintenance, easy to install, easy to use, inexpensive to run, portable and highly robust units ranging from backpack to office photocopier dimensions. The Odorox® range therefore meets the 'room to factory' volume needs as well as the 'light to heavy' contamination requirements encountered in a vast range of environments. Diverse unit placements in various industries and settings already clearly demonstrate that Odorox® technology achieves key air quality and content improvements that can also lead to production, safety and cost benefits.

OHT confirms that hydroxyl radicals are both effective and safe and do not affect humans or animals nor in fact even the actual pathogens that live on them due to the inability of hydroxyls to overcome static electricity on advanced organisms. As well as this, hydroxyl radicals do not adversely impact plants, rubber, plastic, leather, vinyl or any other natural or manmade desirable materials. Also, as in the outside atmosphere, the hydroxyl radicals that are produced develop only to a maximum and safe, steady state level within any suitable or well ventilated space so the units can be kept running around the clock if needs dictate.

Therefore, Odorox® technology truly is a safe, green, natural and flexible advance that can replace UV beam systems, air fresheners, air disinfectants, filters and various other chemical or mechanical based systems currently used.

Odorox® models differ in the type and number of optics, the presence and capacity of an internal fan and washable pre-filters (for larger air contaminants). The range offers a huge variety of potential applications across domestic, public, commercial and industrial settings. In fact over 200 applications have been identified by OHT in the UK in areas such as housing, healthcare, food and drink, sanitation and maintenance, industrial processes, public projects, agriculture, hospitality and insurance restoration, for example following floods. As such, the Odorox® range will be promoted for use in any space from an office, home, gym, clinic or restaurant to a factory, hospital, industrial area, warehouse or recycling plant.

In addition, Odorox® technology has other more subtle and positive effects due to the ability of hydroxyl radicals to inhibit oxidising processes. For example, Odorox® units are being tested for their ability to significantly inhibit decomposition and maintain freshness in stored organic products such as flowers, fruit and vegetables. Trials are also currently under development to see whether the hydroxyl effect may be able to help human subjects in hospital settings such as those recovering from various breathing defects or skin related issues such as burns.

Odorox® units can meet most needs from a technical and economic viewpoint. OHT looks forward to engaging with many audiences about how their needs can be met with solutions. With recent EU announcements on achieving new internal air quality standards by 2030, Odorox® technology is well positioned to play an important future role due to its sheer effectiveness, convenience, economy and ease of use.

Note: Units are now available from stock and introductory discounts are being provided for purchasers either pursuing 'green' and safety objectives or where Odorox® technology is being specifically used to demonstrate cost savings. Trials and demonstrations are also being offered to selected journalists.

The Odorox® range can be viewed on www.ohtsolutions.com

OHT Solutions (London, UK) is the independent and UK based supplier of Odorox® technology and can be contacted via www.ohtsolutions.com or as follows:
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