

## NEWS FROM BUSINESS WIRE

# Vanson HaloSource Inc and Monogram Systems Tackle Safe Drinking Water In Commercial Planes and High Speed Trains

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REDMOND, Wash. (Business Wire) -- Without careful maintenance, commercial aircraft drinking water is contaminated with bacteria in 17% of cases according to the Environmental Protection Agency. A partnership between two leading companies in water safety and technology may change all that.

Vanson HaloSource Inc, a Redmond, Washington based health science technology company, has signed a Joint Development Agreement with Monogram Systems of Carson, California. The agreement covers feasibility and technical development for water sanitization and purification systems for commercial airliners and high speed trains, using HaloPure(R), Vanson HaloSource's innovative water treatment and purification technology.

Monogram Systems is the global leader in application of water and waste technology for the transportation industry, with extensive experience over the past 50 years. Monogram designs and manufactures complete potable water systems for business, regional and large commercial aircraft.

"HaloPure technology offers a potential solution to simple, safe and complete purification of drinking water," says John Kaestle, chief executive officer, Vanson HaloSource. "HaloPure harnesses the power of chlorine and may enable water treatment appliances to create drinking water free of bacteria and viruses."

"This is a particularly important arena for the application of water sanitization technology, in view of heightened health and regulatory concerns over water safety on passenger aircraft," adds Jeff Williams, chief technology officer, Vanson HaloSource. "HaloPure's bead technology offers safe drinking water that also tastes and smells good."

In internal laboratory testing, Vanson HaloSource has demonstrated that chlorine, bound to HaloPure beads, can treat bacteria and viruses commonly found in drinking water, promising to improve water treatment systems by providing an effective solution to microbial contamination problems.

### About Monogram Systems

Monogram Systems is a member of the Zodiac Group, a global corporation including divisions in Cabin Equipment, Aero Safety Systems, Aircraft Systems, Technology and Marine products. Zodiac is listed on the Paris stock exchange Premier Marche under the symbol 012568.PA.(more information at [www.zodiac.com](http://www.zodiac.com)). Monogram Systems is a recognized leader in vacuum waste system integration, water system integration, cabin waste management, specialty aircraft crew, observer and mission seats, aircraft galley chillers and aircraft air stairs.

### About Vanson HaloSource

Vanson HaloSource is a leading health sciences company that employs chitin/chitosan- and N-halamine-based technologies to

create innovative antimicrobial solutions for a wide range of consumer, commercial, and industrial applications. More information is available at [www.vanson.com](http://www.vanson.com).

#### Useful Terms

**N-halamine technology:**

Vanson HaloSource's patented N-halamine technology harnesses chlorine to prolong and localize its germ-killing properties.

**HaloPure:**

A water treatment and purification technology that uses N-halamine technology to kill germs.

**Antimicrobial:**

Ability to inhibit or control microbes, the germs or bacteria that cause disease.

**Chlorine:**

A bleaching agent that has been proven to kill even resistant bacteria, such as Methicillin-resistant Staphylococcus aureus, or MRSA.

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