

> Siemens Water Technologies Marks 100 years of Water Treatment Innovation and Industry Leadership

Siemens Water Technologies is marking a century of industry innovation and leadership with the 100-year anniversary of the first chlorine gas metering unit for water disinfection, a milestone breakthrough in the fight against waterborne disease.

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The first commercially-produced gas chlorinator installed in a public drinking water system in 1913 by Wallace & Tiernan, now a Siemens Water Technologies company, revolutionised the way the world fought water-borne diseases which killed nearly 30,000 people per year in the 1900s in the United States alone.

The technology soon expanded globally and the Siemens Water Technologies Wallace & Tiernan® brand of chlorinators continues to lead the market with a range of advancements to meet the needs of municipal, industrial and aquatics customers today. Chlorination is used throughout a range of operations, including waterworks, swimming pools, power generation, sewage treatment, food processing and industrial applications.

In addition to chlorination solutions by chlorine gas, hypochlorite or chlorine dioxide, Siemens also provides membrane treatment, high-rate clarification, disinfection by-product (DBP) treatment and controls technologies as well as technical expertise to help consulting engineers, municipalities and industries clean and purify water.

Siemens Australia CEO Jeff Connolly says that water security is still one of the most significant and important challenges of the 21st century and remains high on the agenda for Australia. And technology available today can create a sustainable future for water in Australia - if we continue to apply it.

"Our long-term water security will come from a number of sources including catchments, reuse, recycling and desalination. However, what we don't want to do is wait until the next 20-year drought before we think about water again. I think a better way to look at it, is to ask ourselves how we can use technology now to increase our prosperity as a nation, improve productivity, provide access to even cleaner and better quality drinking water and help our industries thrive and compete on a global scale," Mr Connolly says.

Siemens Water Technologies' commitment to innovation and industry leadership continues through its research and development focused on ultrapure water and drinking water, waste reduction, energy and process efficiency, desalination and water reuse. Among the current R&D initiatives underway are an advanced desalination technology to greatly increase energy efficiency. The company holds more than 1,800 granted patents and patent applications.

"The use of chlorine in water treatment has arguably done more to safeguard the health of the world than any other development," said Dr. Lukas Loeffler, Siemens Water Technologies CEO. "To this day, chlorination in general is still the most widely used disinfection method internationally and we continue to develop it and other water and wastewater treatment technologies to ensure safe drinking water, clean process water for industry and a healthy environment."

Siemens Water Technologies provides comprehensive, cost-effective and reliable treatment systems and services to meet the most rigorous demands in virtually any water application with both the latest advances and a wide range of proven technologies including legacy brands such as Wallace & Tiernan, US Filter, Ionpure, Permutit, Envirex, Memcor, Illinois Water Treatment, Westates Carbon, Arrowhead, Electrocatalytic Products and others.

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