



# Water reuse

RECYCLING FOR SUSTAINABLE WATER MANAGEMENT



# Sustainable water solutions

Water scarcity is one of the critical challenges of our time. Growing demand and limited supply put pressures on all of us to conserve water. Water reuse is an environmentally sound approach to sustainable water management. Xylem has the industry's broadest range of treatment technologies as well as deep applications expertise to meet any water reuse challenge.

Xylem can integrate the right technologies to meet local regulations and requirements - and guarantee that our solutions work.



**Restricted and unrestricted urban use**, such as parks, fire protection, landscape irrigation and toilet flushing.



**Industrial use**, such as cooling water and process water in the petrochemicals, pulp and paper, steel and textile industries.



**Groundwater recharge**, such as increasing potable and non-potable aquifers and storing for future potable use.



**Agricultural use** for harvested food, orchards and vineyards and nonfood crops, such as pasture for milking animals or fiber and seed crops.



**Environmental and recreational use**, such as wetland enhancement, wildlife habitat and refuge, water parks and golf courses.



**Surface water augmentation**, such as indirect potable reuse via rivers, streams, aquifers and other means.

## Expertise in numbers:

1

The number of partners you require for total integrated water reuse solutions. Xylem is your reliable single source partner who backs every solution with our process performance guarantee.

22

As in "Title 22 of the California Code of Regulations," which all of our water reuse solutions meet. They also meet the World Health Organization standards for wastewater reuse as well as most national regulations.

200

The number of years of combined design and manufacturing experience available through Xylem product brands, including Bell & Gossett, Flygt, Goulds Water Technology, Leopold, Lowara, Sanitaire, Vogel and Wedeco.

5,200

The number of cubic meters/day of water produced for reuse by the Xylem installation at Sedapal Wastewater Treatment Plant in Manchay, Peru, for landscape irrigation. This volume is roughly equivalent to the daily water production of two Olympic-sized swimming pools.

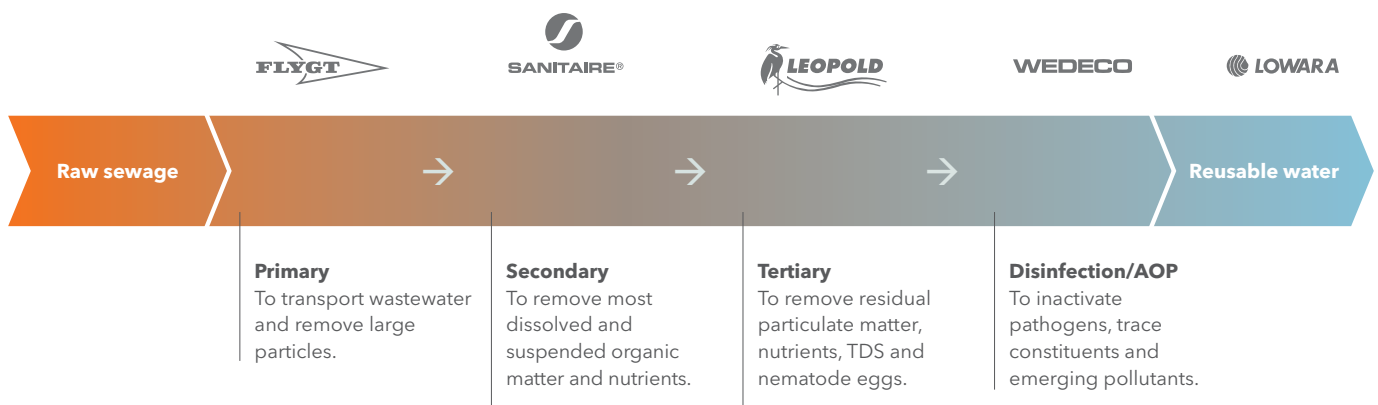
201,000

The number of cubic meters to be produced in 2013 for water reuse by the Xylem installation at Doha South Wastewater Treatment Plant in Qatar for the landscape irrigation. This is equivalent to the volume of 80.4 Olympic-sized swimming pools.

## Unmatched process performance guarantee

As a global water solutions provider, Xylem delivers integrated water reuse solutions that secure future supply, quality and cost savings. Every process technology to convert raw sewage into reusable water is in our competency and our solutions portfolio.

Simply tell us what comes into your wastewater system and what your requirements for water reuse are. Then let us take care of the rest based on practical in-depth knowledge of what works. We put together all the necessary components and control systems to optimize water reuse and back it up with a process guarantee.



## Process integration expertise

Xylem has the know-how to optimize water reuse for wastewater treatment plants of any size. Based on practical knowledge from more than 100 years of experience, thousands of installations worldwide, strengths in powerful R&D, innovation, our team looks at the entire wastewater process at your plant. We then recommend a process design that integrates the right technologies into your plant to meet your established targets. Modular design makes it easy to fit your requirements now and easily expand to meet your future needs.

## Lowest possible life-cycle costs

You can take advantage of turnkey Xylem support – from design, systems engineering and project management to commissioning, training and maintenance. Or let us handle a specific part of the project, such as secondary or tertiary upgrades. Whatever the case, we integrate water reuse processes and technologies with the goal of delivering the lowest possible life cycle costs.

# Xylem ['zīləm]

- 1) The tissue in plants that brings water upward from the roots
- 2) A leading global water technology company

We're 12,000 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

For more information on how Xylem can help you, go to [www.xylem.com/reuse](http://www.xylem.com/reuse)

