

# **Xylem in Asia**

DELIVERING THE RIGHT SOLUTIONS TO SOLVE EVERY WATER CHALLENGE

# Let's Solve Water in Asia



#### Offices:

Singapore, Malaysia, Indonesia, Philippines, Thailand, Hong Kong, Taiwan, Vietnam, Japan, China, South Korea, India.

#### **Manufacturing and Assembly Facilities:**

China (Shenyang and Nanjing), India (Baroda), Philippines (Calamba), South Korea (Busan).



#### **Sales and Technical Support**

Our technically trained staff provide assistance from initial pump selection to aftersales online technical support.



#### **Project and Service** Management

Submissions of detailed drawings, system calculations and product documentation

for tender, project approval and on-site project installations are handled by our dedicated team. Xylem was launched on 1 November 2011, following a spin out from ITT Corporation, creating a unique pure play water-technology company. Xylem has offices throughout Asia that meet local customer needs, maintaining the high standards of innovation, manufacturing and long-term service that embody the Xylem brand.

Recent strategic acquisitions have taken Xylem to the next level, adding a powerful portfolio of complementary software-based solutions for infrastructure analysis and optimization. These brands – Visenti, Sensus, Pure Technologies, EmNet, Hypack and Valor Water Analytics - enhances the company's capabilities, and advances its evolution as a leading provider of disruptive solutions for the most pressing challenges in water and energy infrastructure.



#### **Aftermarket Services**

Our trained service enaineers offer commissioning, on-site product testing,

and in-house repair services for any brand of product. In selected countries, fleets of Xylem service vehicles are on standby to answer urgent troubleshooting requests. Flygt accredited service workshops are also available to provide services for multiple Xylem product brands.



#### **Rental**

Whether you require fasttrack temporary emergency response or reliable long-term operation, we design, build

and manage scalable turnkey systems that provide greater efficiency, reliability and peace of mind.

# Industries We Serve

#### **Agriculture & Irrigation**



#### Food & Beverage



- Aquaculture
- Construction
- **Environmental Monitoring** & Analysis

#### **Commercial Buildings**



#### Residential



- General Industry
- Life Sciences, Pharma & **BioProcess**
- Marine

#### **Energy & Power**

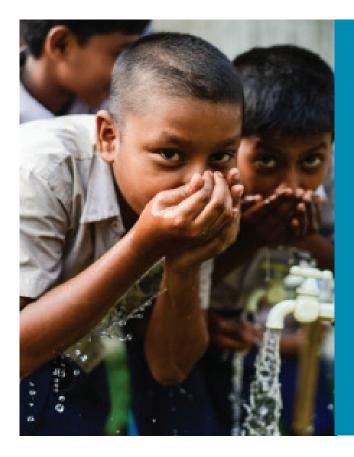


**Water Utilities** 



- Mining & Quarrying/ Aggregates
- Oil & Gas
- Pools & Leisure Activities

## Watermark on the World



In a world where more than 650 million people lack access to clean water, and over 2.4 billion people lack proper sanitation, we're using our expertise and technologies to make a difference.

Xylem Watermark is our corporate citizenship and social investment program that aims to provide and protect safe water resources for global communities in need around the world and to educate others about pertinent water issues.

We amplify the impact of Watermark through our employee engagement program. Their volunteer work and financial contributions help to further our sustainable efforts. In Asia, our employees are actively involved in building aqua towers that provide clean water to communities and schools in need.

To learn more about the program, visit xylemwatermark.com

# **Xylem in Action**

Award Winning "Storm Water Management and Road Tunnel" (SMART) | Kuala Lumpur, Malaysia

**CLIENT:** City of Kuala Lumpur

**SCOPE:** To manage flash floods that impact the city's

central business district.

**PRODUCTS:** Flygt pumps and SonTek analytical instruments

# First Ozone Treatment Application in Vietnam Ho Chi Minh City, Vietnam

**CLIENT:** Saigon Water Corporation

**SCOPE:** To upgrade the existing Tan Hiep Water Treatment Plant

and increase the plant's productivity by 300,000 cubic meters of drinking water per day, benefitting 1.5 million

Ho Chi Minh City inhabitants.

**PRODUCTS:** Leopold Type S Underdrain, Wedeco SMOevo ozone system

#### World's Largest Columnless Greenhouse | Singapore

**CLIENT:** Gardens by the Bay

**SCOPE:** 195,000 cubic meters of energy-efficient cooling

via thermal stratification, with Bell & Gossett's pumps

circulating chilled water through pipes cases within floor slabs.

**PRODUCTS:** Bell & Gossett VSX and HSC-S double-suction split case pumps







Xylem's large portfolio of advanced research, design and industrial engineering solutions positively impact water quality and sustainability through five approaches: Water & Wastewater Treatment, Water Transport, Measurement & Control Solutions, Water Usage and Dewatering.

# Water & Wastewater Treatment

Designed to effectively meet the demands and challenges of treating water and wastewater, Xylem offers a portfolio of products and systems capable of carrying out processes such as smarter aeration, advanced filtration and chemical-free disinfection.



#### **Sanitaire Aeration Systems**

- Fine-bubble diffusers for biological aeration, pre-discharge aeration and sludge holding odor control
- Coarse-bubble diffusers for tougher applications such as sludge or industrial wastewater
- Designed to maximize efficiency and longevity



#### **Leopold Filterworx® Performance Filters**

- Robust and effective gravity media filtration (GMF) system
- Features multiple components, for example, dual parallel lateral underdrains, integral media support (IMS) caps and backwash water troughs



#### **Wedeco UV Disinfection and Ozone Systems**

- Over 250,000 Wedeco systems installed globally for UV disinfection and ozone oxidation in private, public utility and industrial locations
- UV disinfection systems for water and wastewater application
- Ozone systems for drinking water, wastewater, process water, product polishing, bleaching, ozonolysis/ synthesis and deodorization



#### **Flygt Submersible Mixers**

 Wide range of reliable, trouble-free mixing equipment, including Flygt low-speed mixers, compact mixers, top-entry agitators, jet mixers and hydro ejectors

# Water Transport

Designed for easy installation, low-maintenance operation and durability, Xylem non-clog pumps and monitoring solutions help end-users move water and wastewater efficiently at low cost and minimize downtime and callouts.



#### **Flygt Concertor**

- Fully integrated solution that offers synergy between software functions and state-of-the-art hardware
- Senses operating conditions of environment and adapts performance in real time to provide feedback to station operators



#### **Flygt TOP Pump Stations**

- Specially engineered to exact requirements
- Helps users to achieve the most reliable and cost-effective pumping solutions
- Pre-assembled with Flygt discharge connections and piping, inlet and outlet connections and valves



#### **Flygt Monitoring and Control Solutions**

- SmartRun®: Frees pump stations from debris, sets the optimal speed for energy efficiency and cost savings and communicates with external monitoring equipment
- MultiSmart: enables management of pump stations in one place – changing set points or creating complex alternation schemes for large pump stations



#### Flygt N-Technology Water & Wastewater Pumps

- Self-cleaning, non-clog pumps suitable for a broad range of wastewater applications
- Deliver high sustained efficiency and reliable operation
- Built with optional Adaptive N impellers that will allow large solids to pass, and cutter rings that cut long fibers or solids into smaller pieces
- Choice of Flygt's patented Hard-Iron alloy, which is specially developed for tough wastewater applications, or stainless steel



#### **Flygt Submersible Propeller Pumps**

- The submersible IP 68 motor and slim propeller hydraulic provides a smaller footprint than non-submersible pumps, enabling compact, low-cost pumping stations, which do not require any superstructure
- Designed and manufactured in-house, the motor concentrates heat losses around the stator to provide enhanced cooling
- Shaft and propeller made of corrosion-resistant materials

# Dewatering

Suitable for the municipal, construction, industrial and mining sectors, Xylem's broad range of dewatering pumps equips end-users with robust pumping capabilities to handle all tough and difficult pumping scenario.



### Godwin CD & HL Series Dri-Prime™ Pumps

- Built with the exclusive Field Smart Technology to monitor and control the pump from any device anywhere in the world
- Automatic self-priming pump with infinite dry-running capabilities
- FM Global certified Flood Abatement Series available

#### Flygt BIBO

- Designed to protect the hydraulics and to seal parts
- Keeps operations moving even in the harshest environment
- Ideal for active or reactive dewatering of groundwater





#### **Godwin Heidra Series**

- Reliable hydraulic submersible pumps
- Built with diesel or electric-driven power packs
- Ideal for the general pumping of light slurries and municipal sludges

#### Flygt 5000 Slurry Pumps

- Keep sumps solids free, even with the coarsest, heaviest slurries
- Offer end-users reduced operating and constructing costs and reduced need for maintenance



# Water Usage

Xylem's portfolio of applied water systems can carry out operations in residential, commercial, agricultural and industrial settings. Its range of pumps, boosters, drives, valves and other solutions offers end-users earnings growth and margin expansion.



#### **AC Fire Pumps**

- Wide range of designed and customized fire pump products and turnkey systems for commercial and industrial applications, including prefabricated packages and house units
- Designed to provide water to standpipes, sprinklers, chemical mitigation and hydrant systems

#### **Bell & Gossett Pumps & Circulators**

 Wide range of user-friendly, efficient pumps, valves, heat exchangers and accessories for applications such as plumbing, wastewater and HVAC (including steam and heat transfer)



# **Lowara & Goulds Water Technology** e-Range

- Features a simplified design for maximum reliability and faster repair services
- Premium efficiency pumps, motors and drives compliant with the ErP (Energy-related Products) directive

# **5th Generation Hydrovar Intelligent Control System**

- Accurately adapts to system demands
- Helps end-users realize cost and energy savings while achieving optimum system performance



# Measurement & Control Solutions

Innovative solutions that can enhance measurement and reduce real water loss are the keys to reducing non-revenue water. With Xylem's large offering of advanced analytics solutions across the water, wastewater and outdoor water sectors, utility providers can reduce real water loss, and create continual cost savings.

#### **Advanced Infrastructure Analytics**



#### Pure Technologies SmartBall®

- Reduces non-revenue water loss by detecting leaks on large diameter mains
- Helps utility providers locate and repair leaks before they surface

#### Visenti SurgeView™

 Integrates Visenti's multi-frequency pressure monitoring sensors to detect sources of damaging pressure transients throughout a pipe network





### Pure Technologies Sahara®

- Offers a cost-effective option for precise leak and gas pockets location in pressurized pipelines
- Provides utility providers with the option of live video footage and pipeline mapping

#### Visenti LeakView™

- Comprised of multiple pipe leakage indicators such as high-rate pressure sensors, hydrophones and flow meters
- Provides minute-by-minute data analytics for anomaly detection





## Pure Technologies PipeDiver®

- Long-distance, freeswimming condition assessment tool
- Operates while the pipeline remains in service
- Easier and less costly alternative to inspection methods that require shutdown or dewatering

#### Sensus MeiStream® Plus Water Meter

- Industrial meter for the measurement of high and low flow rates, and billing of cold potable water and leakage control
- High overload capability
- No straight inlet length requirements





# Sensus iPERL™ Water Meters + FlexNet® Communications Network System

- Designed to capture both lost water and lost revenue
- Equipped with smart alarms to allow quick resolving of issues in the field
- Securely transmit and receive customer usage data

### Xylem ['zīləm]

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

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. 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 with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xylem.com







































Standard Xchange®





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