

Commercial Building Services

A COMPLETE RANGE OF SOLUTIONS FOR IMPROVED SYSTEM PERFORMANCE

xylem
Let's Solve Water

Xylem Greater Asia



asia.xylem.com
buildings.xylem.com

Having its regional headquarters in Singapore, Xylem Greater Asia has branches throughout the region to meet local customer needs while maintaining the high standards of innovation, manufacture, and service on which the company reputation was built.

In the commercial building services market, we are constantly developing new solutions for schools, offices, hotels, malls, hospitals and other public buildings, ensuring that every day throughout the world, potable water is delivered to your buildings, HVAC systems work efficiently, wastewater is extracted and properties are protected against fire.



Sales

Sales of the complete product range are carried out by technically trained staff who provide assistance from initial pump selection to aftersales online technical support.



Project and service management

A dedicated team is here to support our customers with submissions of detailed drawings, system calculations, and product documentation for tender and project approval. The team is also capable of project management, on-site project installations, modifications, and commissioning and site acceptance tests.



After market & services

Aftermarket sales support is given by a trained team of service engineers who can offer commissioning, product testing on-site, or in-house repair of any brand of product. In addition, overall service packages can be covered by service contracts. We have fleets of Xylem service vehicles on call to promptly answer customers' urgent requests for trouble shoot and Flygt accredited service workshops in various locations providing services to multiple Xylem product brands.

AC FIRE PUMP Bell & Gossett FLYGT

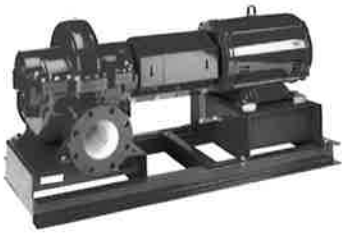
GOULDS WATER TECHNOLOGY LOWARA Steady



HVAC Applications

a wide range of centrifugal pumps, valves, suction diffusers, heat exchangers and controls for HVAC system operation, making buildings more comfortable, productive, and healthy

Bell & Gossett® LOWARA



SERIES HSC^3
double suction
pumps

Capacity up to	1250 m³/h
Head up to	140 m
Power up to	110 kW

- Internally self-flushing seal.
- Lower shaft deflection for longer seal life.
- Service friendly design.





SERIES VSX
spilt case
pumps

Capacity up to	5450 m³/h
Head up to	110 m
Power up to	1100 kW



Multi-flange configuration
i-ALERT vibration & temperature sensor
Back pull-out design with spacer coupling
ANSI-OSHA compliant coupling guard

Centrifugal pumps & accessories



TRIPLE DUTY VALVES

Combine 3 valves in 1, saving time and money
- Calibrated balance valve with nameplate and memory stop/button.
- Spring loaded check valve.
- Isolation/Shut-off valve.

Wide range of sizes and connections
- Straight pattern flanged: 2" - 14".
- Straight pattern grooved: 2" - 12".
- Balanced straight pattern flanged: 3" - 16".
- Angle pattern flanged: 2" - 10".
- Model 3DV FNPT and rotatable flange: 1" - 2".

Excellent Cv range
- From 9 to 3,225.



SUCTION DIFFUSER PLUS

- Improves flow condition and maximize pump efficiency.
- Space saving elbow design.
- Ensures uniform flow pattern.
- Prevents debris from entering pump suction.
- Supports a cleaner and trouble free system.
- Removable internals for fast and easy maintenance.
- Wide size range from 2"x1½" to 10"x10".



AIR-SEDIMENT CONTROL PRODUCTS

- Remove enstrained air and suspend sediment.
- Protect the system against damage.
- Better heat transfer.
- Reduce energy costs.
- Eliminate system noise.



ECOCIRC SERIES circulators

High efficiency energy saving variable speed circulators suitable for stand-alone heating and boiler OEM applications. ErP ready to 2015 standards.

Capacity up to	3 m³/h
Head up to	6 m
Maximum pressure	10 bar
Temp	-10°C to +110°C



ECOCIRC XL SERIES circulators

High efficiency circulators with electronically commutated permanent magnet technology. Communicate with Modbus, RTU and Bacnet systems.

Capacity up to	60 m³/h
Head up to	13 m
Temp	-10°C to +110°C

e-LNE SERIES
Taking hydraulic and motor efficiency to a new level.



The e-LNE series is a single impeller centrifugal pump with in-line suction and discharge delivery flanges; this series has a pullback design which allows the impeller, adapter and motor to be extracted without disconnecting the pump body from the piping system.

Capacity up to	410 m³/h
Head up to	100 m
Power up to	37 kW
Temp	-25°C to +140°C
Variable speed option:	Hydrovar

Key Features

High Efficiency
Newly designed high efficiency hydraulics, with MEI values well above the ErP2015 level and IE3 motors set the basis for very low operation costs.

Long Service Life & Easy Maintenance
Robust design, different bearing frame sizes and stainless steel replaceable wear rings ensure a long service life. All service points are easily reachable to reduce downtime.

Adapt to Needs
In many applications the need for water is always varying. By equipping these in-line pumps with Hydrovar pump controller, the duty is always exactly where it should be.

Hot or Cold
The standard e-LNE can handle liquid temperatures from -25°C to +120°C and the extended temperature version up to +140°C.

e-NSC SERIES





High efficiency energy saving end-suction pump for green building applications with increased flexibility and superior performance.

Capacity up to	1,800 m³/h
Head up to	60 m
Power up to	315 kW
Temp	-25°C to +140°C

Key Features

- High efficiency hydraulics with MEI values above ErP2015 level.
- Wide range of materials for many different kinds of pumped liquid.
- High performance IE3 motors for very low operation costs.
- Variable speed by optional HYDROVAR variable frequency drive.
- Available in spacer coupling frame-mounted, stub-shaft, and extended shaft configurations.

Applications
Heating, air-conditioning, ventilation systems, pressure boosting in buildings, irrigation and water transfer.



Water Transfer and Pressure Boosting Applications

a complete line of energy-efficient cast iron and stainless steel centrifugal multistage pumps to supply water to commercial users where constant pressure is a must

LOWARA GOULDS WATER TECHNOLOGY

e-SH SERIES

The e-SH series is a single impeller centrifugal pump made in AISI 316 stainless steel. Hydraulic efficiency has been improved which exceeds the ErP compliance of MEI 0.4, IE3 motors are fitted as standard and IE$ can be obtained by fitting our Hydrovar variable speed drives.



Key Features

High Efficiency

Newly designed high efficiency hydraulics with MEI values above the ErP2015 level and IE3 motors set the basis for very low operation costs.

Long Service Life & Easy Maintenance

Robust design, available in three motor pump coupling designs:

1. Close coupled extended shaft.
2. Close coupled stub shaft to any standardized motor.
3. Frame mounted with baseplate and coupling stainless steel replaceable wear rings ensure a long service life.

Applications

Clean water, chemical non-aggressive or moderately aggressive fluids handling; water supply; pressure boosting; water circulation.

Multistage & centrifugal pumps



CEA-CEAN SERIES closed impeller pumps (AISI 316)

Capacity up to	30 m^3/h
Head up to	62 m
Power up to	3 kW



MP, MPA, MPB and MPV SERIES end suction centrifugal pumps

Capacity up to	340 m^3/hr
Head up to	500 m
Power up to	400 kW

Available in both horizontal and vertical configuration.
Multi-outlet design is available with more than one discharge outlet.



e-SV SERIES vertical multistage pumps

The range of pumps features 11 models and can be specially configured for a wide range of applications.

Capacity up to	160 m^3/h
Head up to	330 m
Power up to	55 kW
Temp	-30°C to +120°C (high temp versions up to 180°C)



e-HM SERIES horizontal multistage pumps

Two configurations available:
Compact design up to 6 stages.
Sleeve design up starting at 7 stages and above.

Capacity up to	29 m^3/h
Head up to	160 m
Power up to	5.5 kW
Temp	-30°C to +120°C (stainless steel impeller)

Standard IE3 phase motor offering

Booster package systems

Wide range of 2, 3 or 4 pump units controlled by pressure switches or pressure transmitter, with constant or variable speed. The Lowara range of automatic booster units is designed to supply water to intermittent and variable demand users, employing centrifugal electric pumps controlled by an electric panel.

GXS SERIES SETS



Single-phase power supply, fixed speed and pressure switch control. For BG, CA, CEA, eHM and SV series electric pumps.

Flow rate up to	28 m³/h
Head up to	120 m
Power up to	2 x 2.2 kW

GMD SERIES SETS



Three-phase power supply, fixed speed and pressure switch control. For BG, CA, CEA, eHM and eSV series electric pumps.

Flow up to	40 m³/h
Head up to	120 m
Power up to	2 x 5.5 kW

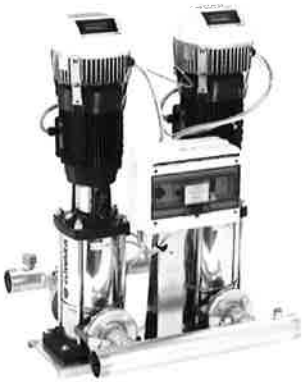
GS SERIES SETS



Fixed speed booster sets with 2-3 pumps. Communicate via Modbus.

Capacity up to	630 m³/h
Head up to	160 m
Power up to	55 kW/pump

GHV SERIES SETS



Single-phase or three-phase power supply, variable speed and control by pressure transducers and HYDROVAR® electronic speed controllers mounted on the motor. For eSV series electric pumps.

Flow up to	450 m³/h
Head up to	200 m
Power up to	4 x 55 kW

GV SERIES SETS



Variable speed booster sets up to four pumps eSV series.

Flow up to	450 m³/h
Head up to	200 m
Power up to	4 x 55 kW

HYDROVAR®, the intelligent and user friendly speed controller for pumps.

The Hydrovar concept allows optimum flexibility and ensures cost savings not only during operation but also in purchasing and commissioning.



Advantages

- Easy operation and programming due to the improved menu navigation and the backlight display - even in difficult accessible installations.
- Easy to integrate into building services management systems with MODBUS interface included as standard.
- Easy assembly of multi pump systems up to 8 pumps without any external control units or other superior control systems.
- Integrated function to protect pump, motor and the overall system.
- Integrated dry-run protection and shut-off system in case of pipe burst.
- Error log with date and time stamp and included diagnostic menu to view temperature, current and quality of power supply facilitates diagnostics and failure analysis.
- Greater redundancy and additional application possibilities like zone regulation with 2 connected actual value sensors.
- Extended manual control mode with either external or internal set points of different speed levels.

Retrofitting

- Possible on all existing standard asynchronous motors, which are suitable for VFD operation.
- No external panels, contactors and motor protection devices required.
- All hydraulic control functions included.
- Optimized cooling of the Hydrovar, depending on the power and the speed of the pump, guaranteed by the motor fan.
- Longer maintenance intervals.
- Very simple, fast and inexpensive retrofitting on existing pumps.



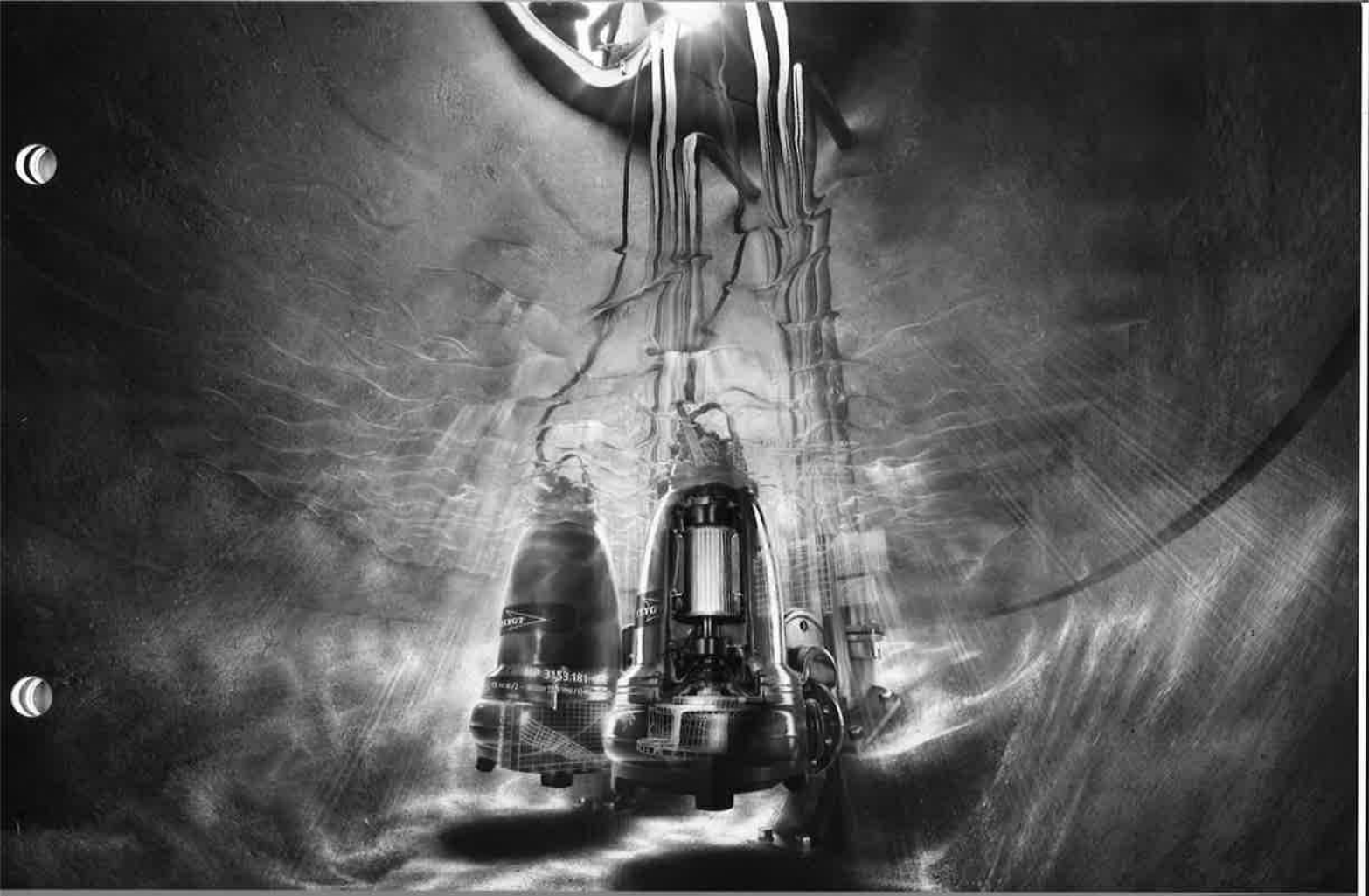
Hydrovar motor mounted series (15 to 22 kW)



Hydrovar motor mounted series (1,5 to 11 kW)



Hydrovar wall mounted series (1,1 to 45 kW)



Wastewater Applications

a full portfolio of stainless steel sump, effluent and sewage products for wastewater removal and drainage

LOWARA · GOULDS WATER TECHNOLOGY · FLYGT · Steady®



1300 SERIES
drainage pumps

Capacity up to	1700 m³/h
Head up to	55 m
Power up to	54 kW
Max submergence	20 m

Available in free standing/ wet well installation modes
non-clog/ vortex impeller/ Double mechanical seal



TRAPZILLA
grease trap

Corrosion resistant construction
High capacity design
Compact footprint
High separation efficiency

- Constructed of corrosion-resistant, linear low-density polyethylene suitable for installation in virtually any location.
- Supercapacity.
- Compact footprint.
- High Separation Efficiency.

ASME A112.14.3-2000 Compliant
Trapzilla® is a trademark of Thermaco, Inc.

Wastewater pumps



D 3000 SERIES

Submersible pumps with vortex impellers for high head/low flow duties.

Capacity up to	170 m³/h
Head up to	28 m
Power up to	7.4 kW



N 3000 SERIES

Submersible pumps with self-cleaning impellers for long time efficient, non-clogging wastewater pumping.

Capacity up to	2,160 m³/h
Head up to	100 m
Power up to	70 kW



N&C 3001 SERIES

Large submersible pumps with closed channel impellers for very high flow.

Capacity up to	11,880 m³/h
Head up to	100 m
Power up to	560 kW



MACRO 500 EJECTOR PACKAGE

Flygt N technology ensures sustained high pumping efficiency with extreme clog resistance.

- Air-tight HDPE Polyurethane tank preventing odor leakage.
- Flexible and space saving.
- Enhanced safety with additional level controls with overflow monitor.
- Waterproof (IP68) and heavy duty.

Capacity up to	128 m³/h
Head up to	44 m
Power up to	7.4 kW



DRY INSTALLED PUMPS

All Flygt wastewater pumps comes in versions for dry pit installation.



TOP STATION CONCEPT

A self-cleaning pumping station design that prevents clogging and odors, the TOP station is available in prefabricated GRP or PE as well as on site built concrete stations.

Flygt Experior ™ - Reliability, Efficiency, and Simplicity.

Flygt Experior centrifugal pump incorporates state-of-the-art hydraulics, premium efficiency motors, and intelligent controls SmartRun™.





SmartRun™ that puts you in control

- Simplified intelligence: pre-programmed and user-friendly setup
- Energy consumption reduced by 30%
- Reduced maintenance costs due to pre-programmed sump and pipe cleaning functions
- Pump cleaning function

Premium efficiency motors with longer lifetime

- IE3 efficiency
- Lower motor temperature prolongs motor and bearing lifespan

Adaptive N-hydraulics self-cleaning semi open impeller for clog-free and better energy-saving pump performance

- Designed to handle long fibers materials, rags and large solid particles
- Maximum availability due to the self-cleaning, clog-resistance impeller design
- Minimized unplanned maintenance costs
- Sustained high efficiency - reduced energy costs up to 25%

The self-cleaning concept
All Flygt N-pumps have the same self-cleaning performance regardless of duty point.





Stage 1. Most solid objects entering the pump will pass through the impeller between the impeller vanes. If an object gets caught on the leading edge of one of the vanes, it will slide along the backswept shape towards the perimeter of the inlet.

Stage 2. The solid object will slide along the tip of the impeller vane inside the relied groove. The guide pin in the insert ring will push all types of solids away from the center of the impeller, along the leading edge and out through the relief groove.

Drainage and sewage submersible pumps



DL SERIES
wastewater/
sewage pumps

Capacity up to	22 m³/h
Head up to	21 m
Power up to	1.5 kW
Max submergence	5 m

Single channel/ vortex impeller



DIWA SERIES
drainage pumps

Capacity up to	25 m³/h
Head up to	21 m
Power up to	1.5 kW
Max submergence	7 m



DOMO SERIES
wastewater/
sewage pumps

Capacity up to	40 m³/h
Head up to	14,5 m
Power up to	1.5 kW
Max submergence	5 m

Twin channel/ vortex impeller



DOC SERIES
cellar drainage
pumps

Capacity up to	14 m³/h
Head up to	11 m
Power up to	0.55 kW
Max submergence	5 m



Fire Protection Applications

UL/FM listed/ PSB approved fire pump package systems that meet every fire protection need

AC FIRE PUMP

Fire pump package systems



8100 SERIES
split case pumps

Capacity up to	570 m³/h
Head up to	155 m

Available in electric or diesel engine models.
In compliance with NFPA 20, UL, FM, and ANSI PSB listed product.



9100 SERIES
split case pumps

Capacity up to	1140 m³/h
Head up to	124 m

Available in electric or diesel engine models.
In compliance with NFPA 20, UL, FM, and ANSI PSB listed product.



8200 SERIES
split case pumps

Capacity up to	230 m³/h
Head up to	300 m

Available in electric or diesel engine models.
In compliance with NFPA 20, UL, FM, and ANSI PSB listed product.



2000 SERIES
end suction pumps

Capacity up to	115 m³/h
Head up to	70 m

Available in electric or diesel engine models.
In compliance with NFPA 20, UL, FM, and ANSI PSB listed product.



1580 SERIES
vertical in-line pumps

Capacity up to	284 m³/hr
Head up to	86 m

Compact design
Easy installation
Quality construction

In compliance with NFPA 20, UL and FM0.

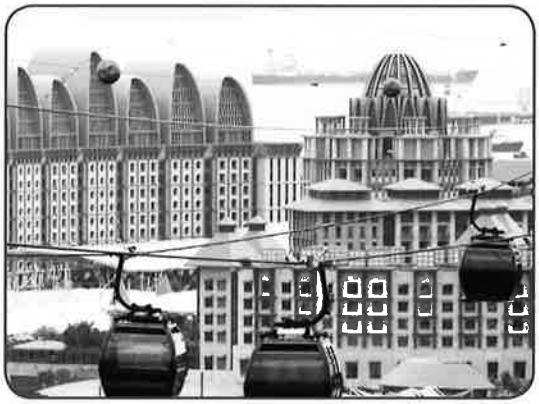
AC Fire Pump models are in compliance with

You Can Trust Us

Xylem products and solutions are installed all over the world and probably close to you. We've been chosen because we are able to understand and meet the demands from a modern society focusing on cost efficiency and reliability. Our products help create comfort and safety in people's life whether they are at home, at work, watching a sports game or staying in 5 star hotels and spas.

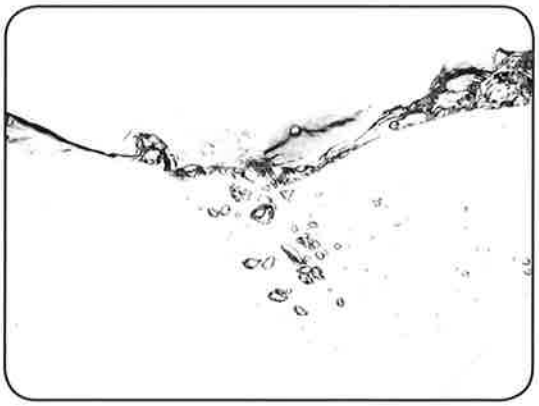
Resort World Sentosa, Singapore

A total of 227 units of Flygt B&C submersible drainage and sewage pumps provide energy-efficient pumping solutions and smaller pump station footprint for Resort World Sentosa and Sentosa Integrated Resort.



World Trade Center II, Jakarta, Indonesia

Bell & Gossett's HSC-S and VSX double suction pumps, Goulds Water Technology submersible wastewater pumps, e-SV booster packages and AC Fire Pump's 8200 Series UL/FM fire pump packages helped Jakarta Land's WTC II obtained a higher level of energy efficiency.





Burj Khalifa, Dubai, UAE

Burj Khalifa opened in 2010. Xylem designed variable speed booster sets distribute 1000 m^3 of water every day all the way up to the top floor of the 800 m building.

Water supply: 6 water transfer sets and 7 pressure booster sets.



Hermes Park Carrefour, Sofia, Bulgaria

In 2010, Xylem equipped the 170,000m2 shopping mall, biggest in the Balkans, with the complete pumping needs.

Heating and cooling: 185 FH, FC and LS pumps, 85% equipped with Hydrovar. Water supply: 2 GHV booster sets and 10 in-line and end-suction pumps. Wastewater: 27 lifting stations. Firefighting: 7 GEN booster sets.



Scarlet Sails Apartment Complex, Moscow, Russia

In 2012, Block V in one of the tallest residential building complexes in Moscow was inaugurated. Lowara pumps males taking a showers a pleasure on all floors.

Heating and cooling: 8 FC with Hydrovar. Water supply: 7 e-SV booster sets with Hydrovar.



Palazzo Della Regione Lombardia, Milan, Italy

The 160 m high building trust Lowara pumps for fresh water and comfortable indoor climate.

Heating and cooling: FC pumps with Hydrovar. Water supply: GHV booster sets and FH pumps.



Hospital Beatriz Angelo, Lisbon, Portugal

Since 2012, this has been a fully Xylem equipped hospital.

Heating and cooling: 125 Lowara FC, e-SV and FH pumps, 92 of them with Hydrovar. Water supply and irrigation: 3 GHV booster sets. Wastewater: 3 Flygt N3127. Firefighting: 1 Lowara booster set.

These case studies are just a few examples, find more at **asia.xyleminc.com**

Singapore

Shopping Malls
Paragon Shopping Centre
Raffles City Shopping Centre
Plaza Singapura Shopping Centre
Vivocity

Residential Condominium/Apartments
The Sail
Bayshore Park
The Hamilton
The Prive
Caltex House
Millenium Walk - Marina Properties

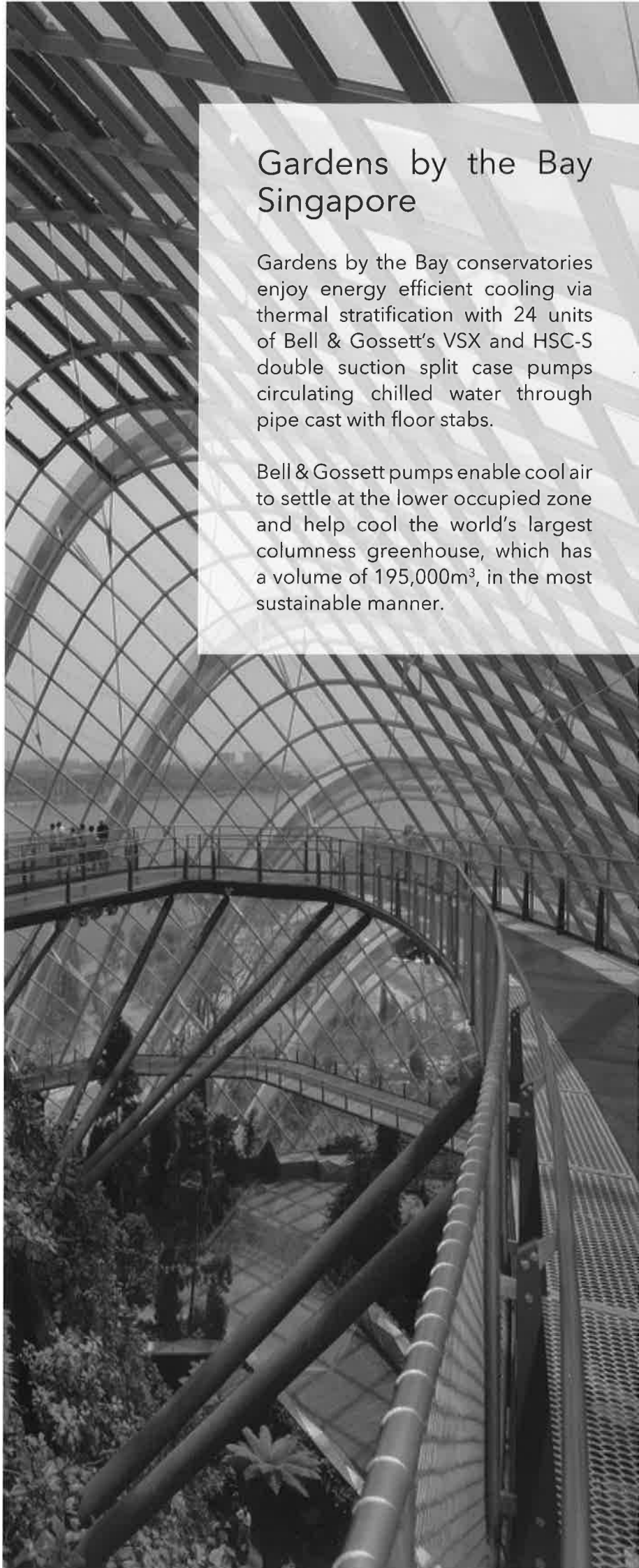
Hotels
Marina Bay Sands
Marriott Singapore
Novotel Clark Quay
Park Regis Hotel
Quayside Hotel

Hospitals
Tan Tock Seng Hospital
KK Women's and Children Hospital
Changi General Hospital
Khoo Teck Puat Hospital
National University Hospital
Singapore General Hospital
Ju Eng Home for Ederly

Office Buildings/ Business Parks
SPH Media Centre
Marina Bay Financial Centre
Hitachi Tower
International Business Park 2

Universities / Tertiary Institutions
Singapore Management University
Singapore Polytechnic

Theme Parks / Resorts
Singapore Zoo
Wild Wild Wet



Gardens by the Bay Singapore

Gardens by the Bay conservatories enjoy energy efficient cooling via thermal stratification with 24 units of Bell & Gossett's VSX and HSC-S double suction split case pumps circulating chilled water through pipe cast with floor stabs.

Bell & Gossett pumps enable cool air to settle at the lower occupied zone and help cool the world's largest columness greenhouse, which has a volume of 195,000m^3, in the most sustainable manner.

What can Xylem do for you?

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 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 xyleminc.com.

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