SOLUTIONS
for Smart Urban Areas
GROWING SMART

Urbanisation will advance rapidly in the coming decades. More and more people will move from the country to the city. City infrastructure will be tested to its limits. At the same time, climate change is necessitating a fundamental realignment to CO₂-neutral energy management.

In order to meet these challenges while making the cities of the future fit places to live, people around the world are coming up with intelligent, digital concepts for cities: Smart Urban Areas.

In Smart Urban Areas, urban infrastructure and many areas of life are connected with each other digitally and intelligently. They can be divided into six zones. These zones represent different requirements and functions.

Wilo develops customised, energy-efficient and smart solutions to meet the various challenges.
RECREATION

This zone comprises all recreational areas such as leisure parks, opera houses and sports stadiums. Visitor flows to these facilities typically fluctuate considerably. This places water systems under unusually high strain at short notice and requires them to be able to handle intermittent peaks in demand with maximum reliability so that users do not notice any changes.

Wilo’s customised, reliable solutions for this challenging area of water supply ensure the efficient irrigation of green areas in parks and sports stadiums, guarantee functional wet areas even under extremely high stress, and deliver a smooth water flow for whitewater rides and a concentrated water supply for fountains.

When it comes to water disposal, our products provide a particularly dependable solution for wastewater transportation, preventing outages and ensuring continuous operation.
SIGNAL IDUNA PARK
DORTMUND, GERMANY
HVAC, Water Supply

CROKE PARK
DUBLIN, IRELAND
Water supply, Drainage and Sewage, Service
VODAFONE PARK
BEŞİKTAŞ, TURKEY
HVAC, Water Supply
AL THUMAMA STADIUM
DOHA, QATAR
Water Supply
STADIUM MOVISTAR
BUENOS AIRES, ARGENTINA
HVAC
OLYMPIC STADIUM CENTRE
BEIJING, CHINA
HVAC

ICEBERG SKATING PALACE
SOCHI, RUSSIA
HVAC, Water Supply
CHESTER ZOO
CHESTER, UNITED KINGDOM
HVAC, Water Supply

THERMAL BATH BUCHAREST
BUCHAREST, ROMANIA
Water Supply, Drainage & Sewage, Service
LOTTE WATERPARK
GIMHAE, SOUTH KOREA
HVAC, Water Supply, Drainage & Sewage

OPERA DUBAI
DUBAI, UAE
HVAC
MUSEO NACIONAL DE BELLAS ARTES DE CUBA
HAVANNA, CUBA
Water Supply

LAND OF LEGENDS
ANTALYA, TURKEY
HVAC, Water Supply, Drainage & Sewage
EXPO 2017
KAZAKHSTAN PAVILION
NUR-SULTAN, KAZAHKSTAN
Water Supply
EXPO 2020
SAUDI ARABIA PAVILION
DUBAI, UAE
Water Supply
GAME LODGE
HOEDSPRUIT, SOUTH AFRICA
HVAC, Water Supply

STATUE OF UNITY
NARMADA, INDIA
HVAC, Water Supply
Wilo-Stratos MAXO
Smart wet runner pump for heating, cooling, air-conditioning
- Highest system efficiency
- Fully integrated connectivity
- Best networking capabilities
- Intelligent control functions
- Online access

Wilo-Stratos GIGA2.0
Smart dry runner pump for heating, cooling, air-conditioning
- Bluetooth interface and remote access option
- Application-guided setting assistant
- Optimum energy efficiency
- IE5 EC motor technology

Wilo-Helix2.0-VE
Multistage centrifugal pump for pressure boosting
- Quick maintenance
- Optimized design for easy operation
- Communication with BMS
- Lower life cycle costs
PIONEERING FOR SMART SOLUTIONS

Wilo produces pumps that guarantee maximum reliability, flexibility and efficiency. Our key services are positioned in the sectors of Water Management, Building Services and Industry. We provide solutions for all scenes of the arena: heating or cooling of the facilities, water supply for the green and the sanitary facilities as well as wastewater treatment and transport within the entertainment areas.

That is why customers from all over the world trust in smart Wilo solutions.

### Wilo-Actun ZETOS-K10
Submersible pump for raw water intake

- Maximum energy savings
- Compatible to control systems
- Demand-oriented system control
- Online access to run signals

### Wilo-Rexa SOLID-Q
Submersible sewage pump for smart sewage pumping stations

- Maximum operational reliability and reduced service costs
- Lower energy costs
- Corrosion protection provided by an optional Ceram coating
- Optional Digital Data Interface (DDI) with integrated vibration monitoring, data logger, web server and digital rating plate

### Wilo-EMUpport CORE
Solid separations system for sewage collection and transport

- Maximum operational safety
- Cost-effective and energy savings
- Durable and corrosion-free
- Flexible installation and easy to integrate
ABOUT WILO

The Wilo Group is one of the world’s leading premium providers of pumps and pump systems for the building services, water management and industrial sectors. In the past decade, we have developed from a hidden champion into a visible and connected champion. Today, Wilo has around 8,200 employees worldwide.

Our innovative solutions, smart products and individual services move water in an intelligent, efficient and climate-friendly manner. We are also making an important contribution to climate protection with our sustainability strategy and in conjunction with our partners. We are systematically pressing ahead with the digital transformation of the Group. We are already the digital pioneer in the industry with our products and solutions, processes and business models.