



# Unlocking commercial buildings' potential with Grundfos Aftermarket Services

From daily reliability and energy optimisation to digital monitoring and long-term support, Grundfos Aftermarket Services help you keep systems efficient, secure, and ready for the future.

Learn more at  
[grundfos.com/campaign/aftermarket](https://grundfos.com/campaign/aftermarket)

**GRUNDFOS** 

Possibility in every drop

# Keeping your system reliable, efficient, and ready for the future

Our services ensure your system performs optimally throughout its lifetime. Through proactive maintenance, digital monitoring, and expert optimisation, we help you prevent costly downtime, extend equipment lifespan, and maintain consistent performance. Our customised service agreements and system evaluations help your installed solutions operate efficiently while adapting to changing operational and sustainability needs.



# Supporting performance for every commercial building type

Commercial buildings are under constant pressure to perform – to keep people comfortable, energy costs low, and operations uninterrupted. Yet many systems fail to run optimally, resulting in higher energy consumption and rising maintenance costs. Without proactive service and optimisation, even the best-performing systems become prone to operational disruptions, high energy bills, and unplanned downtime.

Grundfos Aftermarket Services supports HVAC applications and water boosting across all types of commercial buildings, helping systems maintain high efficiency and reliable performance throughout their lifetime.

## Applications supported

- Air Conditioning
- Heating
- Water pressure boosting
- Wastewater
- Water disinfection
- Hot water circulation
- Fire protection

## Building and industry types supported



## Supporting your Net Zero journey

Our energy-efficient pumps and service solutions help reduce energy consumption and support your Net Zero journey. Designed for reliable, long-lasting performance, they follow recognised environmental standards and circular design principles.

### Grundfos integrates sustainability frameworks such as:

- Science Based Targets Initiatives (SBTi) – Validated Net Zero targets for 2050 and near-term reductions by 2030.
- Environmental Product Declarations (EPDs) and EcoVadis Platinum rating, ensuring transparency and measurable progress.
- Circular business principles, including recycling and responsible decommissioning programs.



# Partnering with you at every step of the journey

With the Grundfos 5-Step Lifecycle, we provide continuous support – From planning and installation to operation and renewal, every phase counts.

Following the lifecycle is key to ensuring long-term performance, efficiency, and sustainability.

## 1. Plan

# Plan building systems right from the very first step

Whether it's a retrofit or a new building project, Grundfos Services help optimise HVAC, pressure boosting, and wastewater systems to ensure long-term performance and efficiency. By improving system design and operation, we reduce energy use, lower CO<sub>2</sub> emissions, and minimise environmental impact.

During the planning stage, our experts provide data-driven insights and recommendations to maximise energy performance, ensure system reliability, and prevent downtime. Through energy assessments and connected monitoring, we identify optimisation opportunities and support a seamless transition to high-efficiency solutions when upgrades are needed.

### Unlock energy savings through smarter system insights

#### Energy Check

Optimise efficiency and reduce costs with recommendations based on your pump's nameplate data, including energy use, CO<sub>2</sub> emissions, and life cycle costs.

#### Advanced Energy Check

Improve energy efficiency, enhance reliability, and lower total cost of ownership with in-depth system insights and operational data from wireless sensors.

#### Energy Audit

Using on-site sensors, measure actual pump consumption to identify excessive energy use. Get a detailed report with the potential for oversizing or undersizing, CO<sub>2</sub> reductions, and payback periods.

### Keep systems healthy before problems arise

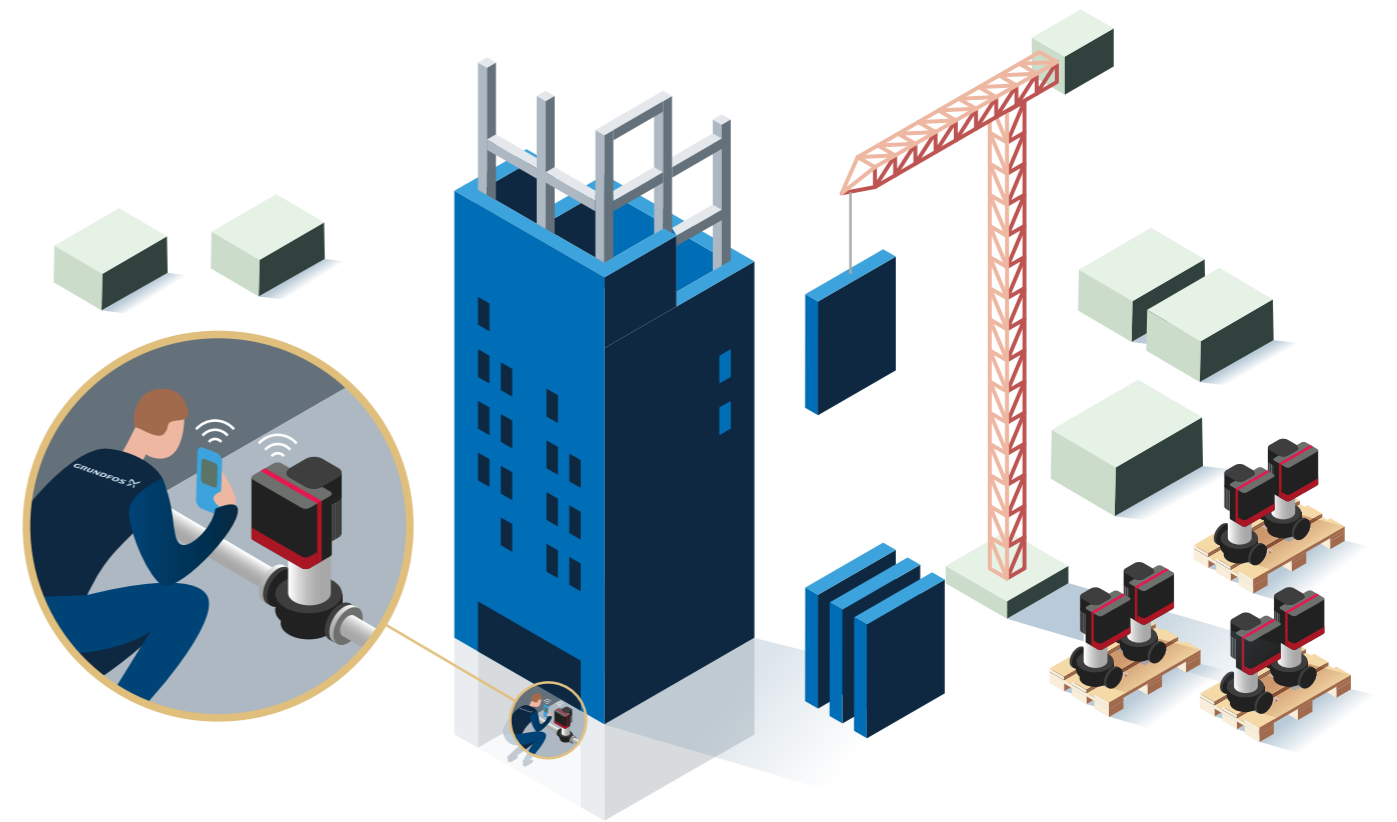
#### Health Check

Prevent costly, unplanned interruptions with an assessment of system condition, age, and efficiency that enable you to identify early and define a proactive plan to improve performance and reduce energy use.

### Access efficiency through flexible financing

#### Grundfos Leasing Solutions

Access the latest energy-efficient pumps and services without major upfront investment. With a fixed monthly fee, you gain predictable costs and can include installation, maintenance, repairs, and digital tools such as Grundfos Connect and Grundfos GO.



## 2. Build

# Build right from the start

During the build phase, you'll get the right equipment and digital solutions to ensure reliable, optimised system performance – minimising downtime and securing a strong foundation from the start.

### Smart Control in Your Hand

#### Grundfos GO

Simplify installation, commissioning, control, and maintenance with the Grundfos GO app. It connects to intelligent pumps, controls, and motors for easy setup and real-time monitoring.

### Smooth start and reliable operation

#### Commissioning

Ensure your system is ready from day one. Grundfos specialists verify pump compatibility, correct installation, and proper programming to secure efficient, reliable operation across any pump system.

#### Laser Alignment

Extend pump lifetime and reduce operating costs. Precision alignment minimises wear, vibration, and energy use – keeping your system running smoothly and efficiently.

#### Installation

Grundfos experts handle your pump setup from installation to handover – ensuring reliable operation, minimal vibration, and seamless integration with digital monitoring.

### 3. Operate

## Optimise operation for the long run

Once your building is in use, our specialists provide digital monitoring and control solutions to ensure long-term performance and prevent breakdowns. With tailored support and regular check-ups, we help you keep systems running smoothly and at peak efficiency.

### Smart tools for effortless control and monitoring

#### Grundfos GO

Simplify installation, commissioning, control, and maintenance with the Grundfos GO app. It connects to intelligent pumps, controls, and motors for efficient setup and real-time monitoring.



iOS



Android

#### Grundfos Connect

Monitor pumps, stations, and sensors anytime, anywhere. Grundfos Connect provides real-time data, alerts, and reports – helping you act quickly and keep systems performing at their best.

#### Grundfos Machine Health

Reduce downtime and maintenance costs with predictive insights from Grundfos Machine Health. Wireless sensors collect data that is stored in a secure, cloud-based platform, giving you remote visibility into equipment health at all times.



### 4. Maintain and optimise

## Keep your systems performing at their best

Effective maintenance is key to system longevity and efficiency. Our advanced services support circular economy goals by extending equipment life, reducing costs, and lowering CO<sub>2</sub> emissions. With predictive maintenance and energy-efficient retrofits, we prevent issues before they occur and keep your systems running at peak performance.



### Fast, reliable repairs and maintenance

#### Spare Parts

Be ready for the unexpected with Grundfos Original Spare Parts. We provide continuous delivery – from individual components to bulk orders – ensuring you always have what you need to keep operations running.

#### Repairs

Minimise downtime with flexible repair options. Our factory-trained experts perform fast, high-quality repairs either on-site or in our workshops, covering pumps from any manufacturer.

#### Maintenance

Let us take care of your assets so you can focus on your core business. Grundfos All-In Maintenance offers full-service management at a fixed price, covering regular maintenance, quick fault resolution, and no unexpected costs.

### Flexible services for your needs

#### Standard Service Agreement

Ensure consistent performance at a predictable cost. The Grundfos Standard Service Agreement includes two annual inspections of pumps, motors, and controls by a qualified engineer, followed by a detailed performance report with recommendations for optimisation and savings.

#### Customised Service Agreement

Stay ahead of maintenance needs with a tailored service plan built around your system's criticality and application. After each service visit, you'll receive a detailed condition report and improvement recommendations to maintain optimal performance.

### Proactive services for better decisions

#### Vibration measurement

Identify early warning signs before they turn into costly breakdowns. With Grundfos Vibration Measurement, specialists assess pump vibration levels, compare them to standards, and provide detailed reports – reducing wear, false alarms, and downtime for reliable, efficient operation.

#### Thermal scan

Detect hidden issues before they cause failures. Grundfos Thermal Scan uses advanced infrared diagnostics to identify hot spots, loose connections, and overloads – providing clear insights to prevent accidents, cut energy waste, and extend asset lifetime.

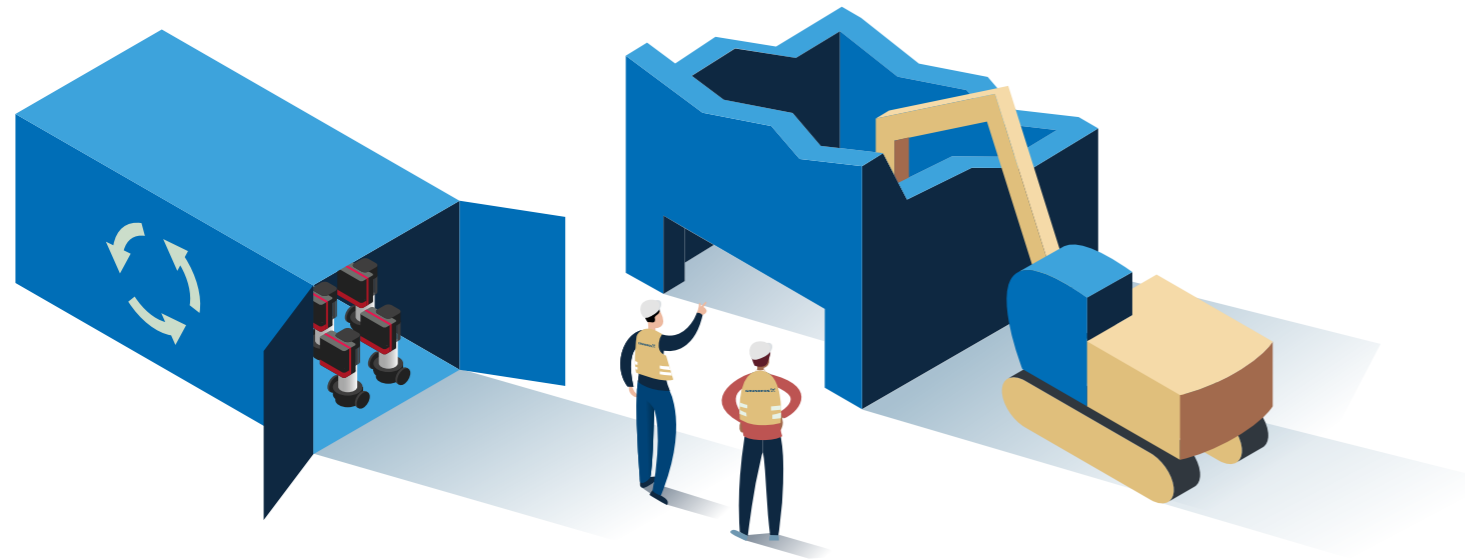
## 5. End of life

# Close the loop responsibly

At the end of a product or building's lifecycle, we assist with decommissioning and recycling to ensure environmentally responsible disposal. We also provide recommendations for new installations or upgrades to replace outdated systems.

### Take Back

Our recycling programme makes it easy to return end-of-life pumps through your local wholesaler. Through the Grundfos Take Back programme, pumps are sent for disassembly and up to 95 % of materials are recycled or recovered. This process supports circular resource use, lowers CO<sub>2</sub> emissions, and promotes local green jobs – turning disposal into sustainable renewal. Our aftermarket and application engineers help define the next installation or upgrade so the journey continues.



# Real-world cases in commercial building optimisation

Explore how Grundfos Aftermarket Services address performance challenges across different types of commercial buildings. These cases show how system upgrades, right-sizing, digital monitoring and expert service translate into tangible, measurable gains.



### Healthcare

University Hospital Brussels

## How a hospital expanded without increasing its energy use

To meet its goal of expanding the hospital by 40% without increasing energy use, UZ Brussel partnered with Grundfos to upgrade 217 outdated pumps across its heating and cooling systems. Through detailed energy checks, right-sizing and digital integration, the hospital achieved significant reductions in energy consumption and gained full system transparency – crucial for a 24/7 healthcare environment.



**643,000**  
kWh annual energy savings

**€65,000**  
saved per year

Up to  
**80%**  
less energy per pump

**4-year**  
payback



**180,619**  
kWh annual energy savings

**61.95**  
tonnes CO<sub>2</sub> cut annually

**0.9-year**  
payback



### Hospitality

JW Marriott Bucharest Grand Hotel

## What did 5-star energy optimisation involve

Grundfos conducted a complimentary Energy Check that identified major inefficiencies in the hotel's aging cooling system. By replacing five oversized 37 kW pumps with three high-efficiency NBE pumps and a CU 352 controller, Grundfos delivered a turnkey upgrade that improved cooling performance, reduced operational costs, and strengthened the hotel's sustainability profile.





### Mixed-use high-rise

345 California, San Francisco

## How 25% energy was saved by a simple upgrade

In one of San Francisco's landmark towers, Grundfos replaced a 40-year-old constant-speed booster system with a Hydro MPC Quadruplex solution. Installed with only a four-hour service interruption, the upgrade improved efficiency, redundancy and water quality, supporting the building's ambition to maintain its LEED Platinum rating.



**25-26%**  
yearly energy reduction

**Improved**  
domestic water quality



### Mixed-use

Ngee Ann Polytechnic – Block 22, Singapore

## How distributed pumping saved costs and energy

To maintain its Green Mark Platinum status, NP partnered with Grundfos to shift from a conventional fixed-pressure chilled-water system to a Distributed Pumping setup. With intelligent MAGNA3 and TPE3 pumps automatically balancing flow across the building, the system now runs significantly more efficiently – enhancing comfort and reducing operational expenditure.



**54%**  
pump energy savings

**28%**  
increase in Delta T



Up to  
**632,034**  
kWh annual energy savings

**95.7**  
tonnes CO<sub>2</sub> reduction

**278,095**  
AED annual cost savings



### Residential high-rise

Dubai residential towers

## How revamped HVAC systems saved cut emissions in Dubai

A flawed original design caused chronic cavitation, noise and high energy use in two residential towers. After a detailed Pump Audit, Grundfos redesigned the condenser pumping system – including repositioning pumps, correcting piping and right-sizing equipment – resulting in a stable, efficient and reliable HVAC setup.



**>30%**  
distribution energy savings

**>45%**  
reduction in installed pump power



### Retail

Wanda commercial Complex, China

## How a commercial complex cut heating energy waste

Wanda's commercial complex struggled with heating inefficiencies caused by constant-speed pumps, excessive head, throttled valves, and unstable flow – driving up energy use and reducing comfort. Grundfos replaced the setup with correctly sized TPE3 variable-speed pumps, removed throttling losses, rebalanced the system, and added GIS digital monitoring for ongoing optimisation. A prefabricated modular solution cut on-site work to just 10 days with no disruption to heating.

# Ensuring your building systems perform optimally

Grundfos Aftermarket Services support commercial buildings throughout their lifecycle, helping maintain reliable performance, improve efficiency and reduce operating costs.



Scan to explore how

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