

Sustainability is in our DNA, and we are committed to helping you achieve your goals. We have anchored our development to the United Nations Sustainable Development Goals (SDGs), particularly SDG #6 (water) and SDG #13 (climate). Our mission is to help you increase efficiency for SDG compliance while pursuing your own sustainability initiatives.

Grundfos is one of the world's leading suppliers of solutions across the full range of pump applications — all the way from water supply to wastewater discharge.

In Grundfos Commercial Buildings, we think beyond the pump. Our goal is to understand the building as a whole in order to provide you with intelligent solutions that achieve a higher level of performance in your systems.

This approach has made us a preferred partner for contractors, consulting engineers and building owners looking to build the most sustainable and efficient commercial buildings in the world.

Have your questions answered at GBAinfo@grundfos.com

GRUNDFOS BUILDING ANALYTICS

GRUNDFOS iSOLUTIONS



In partnership with



Expert Insights to Optimise Your Building

A single building can have a large network of independent functions working simultaneously, but not necessarily as a system. Overwhelming amounts of data come independently from plumbing, heating, cooling and other functions and, while every stream may be tracked in your BMS, it usually falls short in being able to provide an in-depth analysis to improve energy efficiency long-term.

Moreover, your team is stretched thin and pressured to improve occupant comfort, control costs and comply with constantly changing corporate and governmental sustainability goals. Even consultative BMS dashboards can mean you are merely maintaining the norm rather than driving new customer value and insights. Most buildings remain on planned or reactive maintenance schedules which can lead to unnecessary costs, workforce overtime and uncomfortable occupants.

BUILDING DATA

It doesn't have to be this way. Now you can harness the power of cloud computing, artificial intelligence and cost-effective IoT technology to simplify your operations. By looking at your building as one system, hidden faults and patterns can be identified and actionable recommendations given. This means you and your team can proactively drive energy and workforce efficiency, while reducing costs and prolonging the life of your assets.

This is where Grundfos Building Analytics, in partnership with CopperTree Analytics, can help.

We transform raw data into meaningful outcomes

Our data collection device (edge device) easily integrates with your BMS. Once connected, it streams thousands of raw data points to a secure, cloud-based analytics engine. The Grundfos Building Analytics custom algorithms and statistical analysis check for system integrity and inefficiencies. An output of actionable insights and recommended fixes is available to you through an online dashboard. This means you can tackle what's most important to you first.



MADE SIMPLE WITH GRUNDFOS

Unlike a retro-commissioning report, we don't just tell you how you're doing; we help you get where you want to be. Our analytics experts put a roadmap together based on your goals, helping drive short and long-term actions, while bridging the gap between Facility Management teams, Sustainability teams and leadership. By working together, we can help you achieve short-term fixes that can drive long-term improvements such as:

↓ **5-30%**
REDUCTION IN
ENERGY COSTS

↓ **UP TO 60%**
REDUCTION IN HVAC
MAINTENANCE
LABOUR COSTS



SMART MAINTENANCE DOESN'T FOLLOW A SET SCHEDULE

A traditional maintenance schedule can lead to expensive unplanned repairs, subpar efficiency and unhappy occupants. It can also waste time with unnecessary, premature site inspections.

Grundfos Building Analytics keeps your buildings in optimal shape by monitoring equipment and offering virtual metering based on your building's data. The analysed data highlights any required maintenance activities, along with the best run times, to make a sustainable and measurable impact on how your building performs.

Analyse and Prioritise

By continually analysing and prioritising building activities based on your goals, budgets and initiatives, Grundfos Building Analytics supports your team. With a never-ending list of things to do, an analytics approach to prioritisation keeps you moving efficiently toward your building's objectives.

Make Data-Driven Decisions

Are you working to become more sustainable, policy-compliant or energy efficient? Or simply boosting lease retention or conducting capital planning? Grundfos Building Analytics can help by assessing up to 12 prioritisation factors, including environmental impact, avoidable costs and mechanical system health.



Through the online dashboard you'll get detailed insights and recommendations to optimise equipment and building performance, tailored to your operational setup.

MINOR FAULTS DON'T HAVE TO BECOME MAJOR PROBLEMS

Grundfos Building Analytics constantly monitors for anomalies or early signs of trouble – not only drastic disruptions to the mechanical systems' values, but also less noticeable changes to system operations that can accumulate unwanted cost over time.

Detect and Diagnose

When Grundfos Building Analytics notices something is amiss, such as poor equipment sequencing, failing or poor actuators, low ΔT syndrome or building energy drift, a notification pops up, providing staff with an actionable plan to fix the issue.

Keep Your Occupants Comfortable

Don't wait for your occupants to make you aware of trouble. Proactive fault detection empowers you to make upgrades and repairs before a failure occurs – and before anyone complains.



GBA also includes details on realized savings for all recommendations that have been implemented.

Transform your data into action
Learn more at grundfos.us/buildinganalytics