

**Expert Insights to Optimize Your Building** 

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GRUNDFOS X

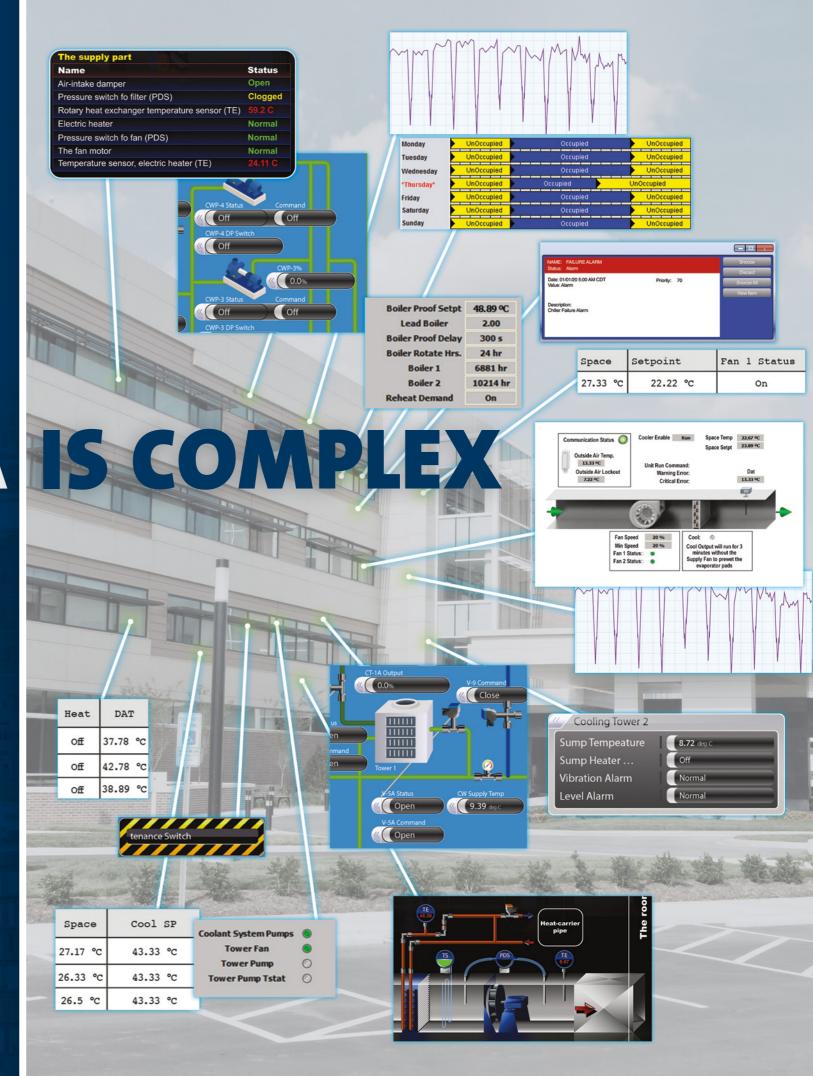
A single building can have a large network of independent functions working simultaneously but not necessarily as a system. Overwhelming amounts of data come independently from HVAC, plumbing and other mechanical systems, and while every stream may be tracked in your BMS, it's rarely cross-referenced, actionable or optimized.

Meanwhile, your team is stretched thin and pressured to improve occupant comfort, control costs *and* comply with aggressive corporate and governmental sustainability goals. Even regularly consulting BMS dashboards can mean you're maintaining the norm rather than driving new value. Most buildings remain on planned or reactive maintenance schedules that can lead to unnecessary costs and, worse, *uncomfortable occupants*.

## BUILDING DATA IS COM

It doesn't have to be this way. Finally, you can harness the power of cloud computing, artificial intelligence and cost-effective IoT technology to take a proactive approach to your building that delivers consistently, improves efficiency and reduces costs.

Grundfos iSOLUTIONS CLOUD Building Analytics, powered by CopperTree Analytics, can help.



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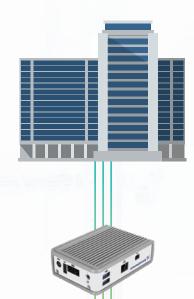
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## We transform raw data into meaningful outcomes.

Our data collection device installs and integrates easily with your BMS and streams thousands of raw data points to a secure, cloud-based analytics engine. The Building Analytics custom algorithms and statistical analysis check for system integrity, anomalies and inefficiencies, ultimately leading to an output of actionable insights.



### **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.

Building Analytics keeps your buildings in optimal shape by monitoring equipment and identifying the maintenance activities with the greatest quantifiable impact on energy usage and run times to drive sustained improvement to occupant comfort.

#### **Choose Smarter Priorities**

Your Grundfos analytics expert helps you continually analyze and prioritize building activities based on your goals, budgets and initiatives. With a neverending punch list of things to do, an intelligent approach to prioritization keeps you consistently moving toward your building goals at all times.

#### **Make Data-driven Decisions**

Whether you are working toward sustainability initiatives, improving compliance, boosting lease retention or conducting capital planning, your Grundfos analytics expert can help by assessing up to 12 prioritization factors, including environmental impact, avoidable costs and mechanical system health



You'll receive a report that includes detailed insights and clear recommendations to optimize equipment and building performance, tailored to your operational setup.

# BUILDING DATA MADE SIMPLE WITH GRUNDFOS

**UP TO** 60% **REDUCTION** MAINTENANCE

But we don't just tell you how you're doing, like an expensive retro-commissioning report. We help you get where you want to be. Our Grundfos analytics experts do what data alone cannot — like creating custom roadmaps based on your goals, helping drive short- and long-term actions, and bridging the gap between Information and Operations Technology teams. Through consistent partnership, we can help you achieve shortterm fixes that can drive long-term building improvements like:

### accumulate unwanted cost over time. **Detect & Diagnose**

MINOR FAULTS DON'T HAVE TO **BECOME MAJOR PROBLEMS** 

When Building Analytics notices something amiss (such as poor equipment sequencing, failed / poor actuators, low ΔT syndrome, or building energy drift), your staff is notified and provided with an actionable roadmap to fix the issue(s).

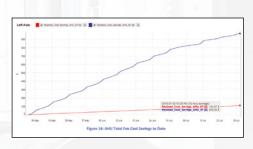
The Building Analytics data engine constantly monitors for anomalies or

early signs of trouble — not only drastic disruptions to tenant comfort,

but also less noticeable changes to system operations that can

#### **Keep Your Occupants Comfortable**

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



Your report also includes realized savings details for all the recommendations that have been implemented using Grundfos.

Transform your data into action

**Learn more at grundfos.com/buildinganalytics** 

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.

To learn more, go to grundfos.com/buildinganalytics