

GRUNDFOS BUILDING ANALYTICS

GRUNDFOS ISOLUTIONS



PUMP



CLOUD



SERVICES

Expert Insights to Optimize Your Building

be
think
innovate

GRUNDFOS

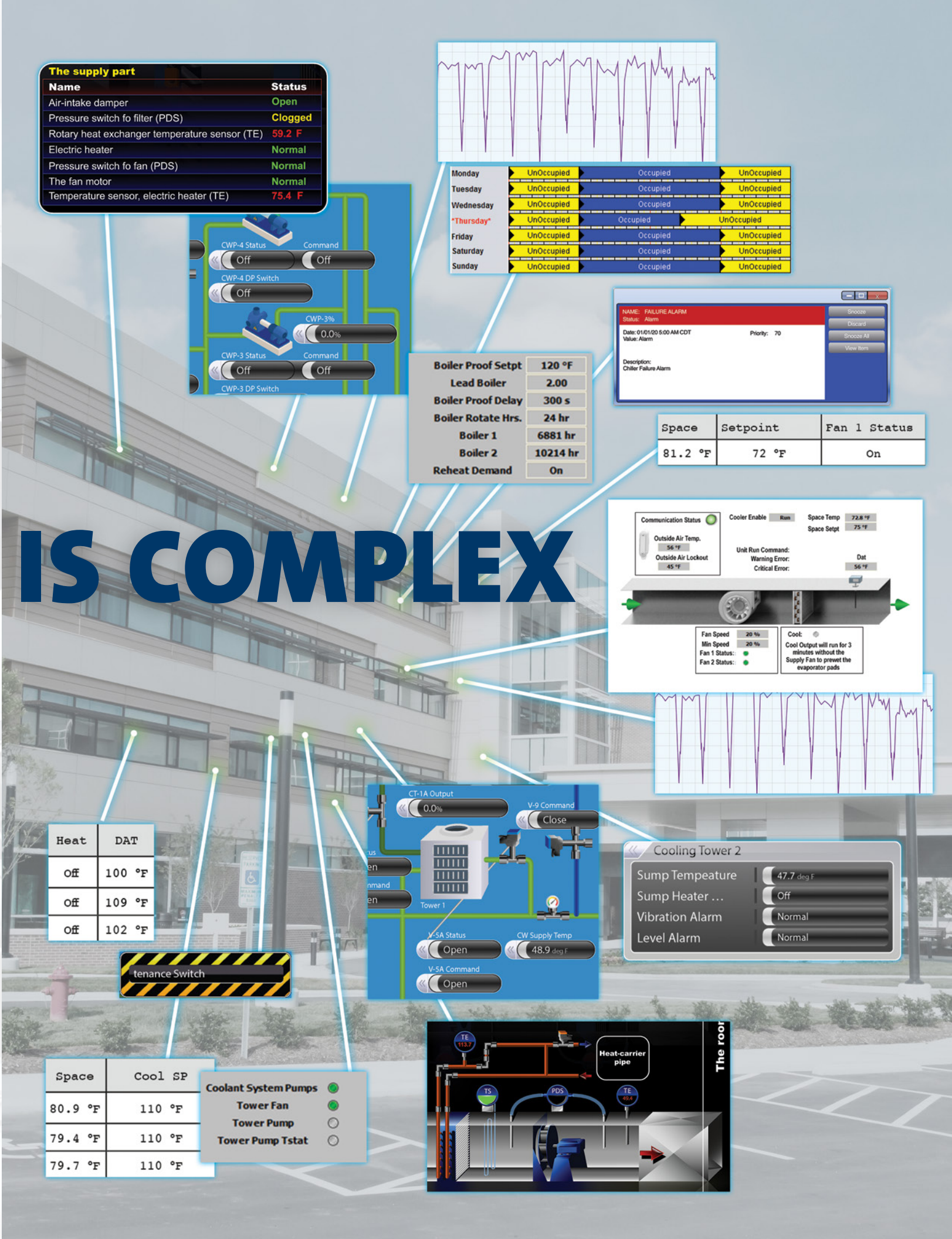
A single building can have a large network of independent functions working simultaneously but not necessarily as a system. Overwhelming amounts of data come independently from HVAC, plumbing and other mechanical systems, and while every stream may be tracked in your BMS, it's rarely cross-referenced,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

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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BUILDING DATA MADE SIMPLE WITH GRUNDFOS

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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.

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 short-term fixes that can drive long-term building improvements like:

↓ **5–30%
REDUCTION IN
ENERGY COSTS**

↓ **UP TO
60%
REDUCTION IN HVAC
MAINTENANCE
LABOR 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.

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 never-ending 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.

MINOR FAULTS DON'T HAVE TO BECOME MAJOR PROBLEMS

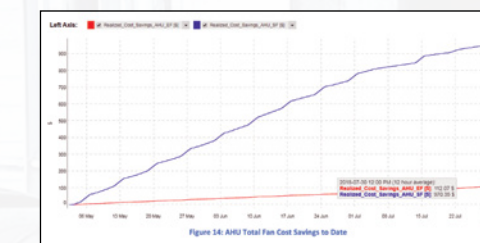
The Building Analytics data engine constantly monitors for anomalies or early signs of trouble — not only drastic disruptions to tenant comfort, but also less noticeable changes to system operations that can accumulate unwanted cost over time.

Detect & Diagnose

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).

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.us/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 a global leader in advanced pump solutions and a trendsetter in water technology. Grundfos supplies complete pumping systems and solutions for buildings, industry and every aspect of water use. An annual production of more than 16 million pump units makes Grundfos a leading pump manufacturer, with more than 18,000 employees worldwide. Key products include circulator and centrifugal pumps for industry, water supply, sewage and dosing, as well as standard and submersible motors and state-of-the-art electronics for monitoring and controlling pumps. In the US, more than 1,200 employees staff operations, sales and service facilities in Illinois, Kansas, Pennsylvania, California, Texas, Indiana and Alabama. Grundfos provides comprehensive market coverage in North America through a number of marquee product brands, with more than 765 years of service combined.

High on the company's corporate agenda is an active commitment to improving the environment. Grundfos contributes to global sustainability by pioneering technologies that improve quality of life for people and care for the planet. For more information, visit grundfos.us, or follow us on Facebook and LinkedIn.
