



HOW ARE YOU HANDLING THE ONGOING WORK OF WATER TREATMENT?





THE CHALLENGE: TIGHTER PARAMETERS COME AT A COST

Water treatment is getting harder, not easier. You're being asked to run your system leaner, whether the pressure is coming from budget constraints or sustainability concerns or extending the life of aging assets. But the leaner you run, the less buffer you have for operational issues.

It also takes more technology and manpower to exercise that control. Of course, it would be much easier to run fresh water through your coolers and right down the drain. But using resources more sustainably requires you to concentrate that water and cycle it. If you don't keep a close eye on scale and

minerals, your assets and their efficiency may degrade. Another complex issue is microbial growth which can increase your energy spend while creating a potential health hazard.

Managing to the latest best practices and standards is not as easy as taking dip slides. Now you're expected to send samples to a separate laboratory. Interpreting the results and adjusting your program is a specialized science. Tighter parameters like these add to your workload and increase your operational risk as you run closer and closer to the failure point of the system.

But when you work with Buckman Digital Water, you'll **predictively manage your program.**

Here's how...



TRANSLATE ALARMS INTO ACTION

Alarms don't help you tighten your control if they're so technical that you have to wait for your rep's help. With Buckman Digital Water, you can translate alarms into immediate action. That's possible because our Ackumen™ Insights Lab monitors your water treatment system 24/7, reviewing alarms and fine-tuning your system remotely. When a situation calls for you to intervene locally, they'll alert your facility team along with clear context and strategy. For example, if your system shows a low conductivity alarm, our experts will have enough context and data from all the sensors we are tracking to know it could indicate that your tower is overflowing, so they'll instruct you to check the float valve for that cooling tower basin.

When you know exactly what to do in the moment, you can correct problems quicker and more effectively. That means you could stop water and chemicals from going down the drain or prevent equipment damage before it happens and be better protected against health and safety risks. And you won't have to deal with the fatigue of alarms constantly going off—you'll see only the ones that matter.

Ackumen™ Insights Lab and actionable recommendations mean Buckman Digital Water can connect you with water experts who remotely monitor your system 24/7, analyzing data and managing alarms.





TEST ON YOUR TIMELINE

Improving your results requires frequent testing—you can't just set it and forget it or make decisions based on a water profile that's typical for your city but not specific to your location. With Buckman Digital Water, you can minimize the burden of testing without cutting corners. Instead of waiting for a service call, you can easily collect and submit water samples for lab analysis.

That's possible with our Ackumen™ Connected Lab technology. You scan a QR code onsite, the system connects your sample point with a sample bottle, and you send the bottle to our lab in a prepaid shipper. Afterward you'll receive a comprehensive report that combines sensor and onsite data with lab analytics. Even more importantly, the report comes with clear recommendations for how to optimize your program. That means you'll drive better and more reliable results with no additional labor or delays.

When you work with Buckman Digital Water, you use an advanced **sampling methodology**, comprising our Ackumen™ Connected Lab and onsite testing.



SWAP OUT SENSORS BEFORE THEY FAIL

It's important to calibrate and clean the sensors on a controller frequently. But it's common to see sensors that haven't been touched in many months or years. The more sensor accuracy drifts, the more you'll risk unplanned downtime and urgent maintenance issues that consume unnecessary time and stress.

With Buckman, you can swap out sensors before they fail. As a result, you take the urgency out of maintenance and manage your time more effectively. Our predictive maintenance program captures data from highly accurate sensors to determine when a sensor needs to be cleaned, calibrated or replaced. Instead of checking your sensors on a set schedule, you'll know before they reach a maintenance milestone. When you can plan ahead for maintenance tasks, you can manage your staff and time better while improving your overall results.

You'll use a **predictive maintenance program through the Ackumen™ platform** that captures data from highly accurate sensors to determine when technology needs to be replaced before failure.



PREDICTIVELY MANAGE YOUR PROGRAM

Water treatment done well takes a lot of ongoing work as business demands grow more challenging.

With Buckman Digital Water, you can predictively manage your water treatment program, which helps you deliver better results without adding to your workload.

This way, you'll:



Avoid the fatigue of alarms constantly going off—you'll see only the ones that matter



Drive better and more reliable results with no additional labor or delays



Manage your staff and time better while improving your overall results.

Ready to get started? Then please check out our website to learn more.

