

# Condition audits

THE QUICK & EASY WAY TO IDENTIFY AND ADDRESS SYSTEM WEAKNESSES



Find opportunities to optimize

To meet ever-growing demand and maintain profitability, it is important to manage your water and wastewater assets cost-effectively. The age and condition of your equipment has a major impact on plant efficiency, reliability and productivity. A condition audit is a great help in ensuring maximal uptime and efficiency, as well as maintaining high health, safety and environmental standards.

## What it is

A condition audit will help you find ways to lower your maintenance costs by identifying any inefficiencies in the operation of your water and/or wastewater equipment. During a condition audit our experts will examine all system components and determine if they are operating optimally or if there is any need for replacement parts, retrofit or upgrade.

## How it works

Xylem process specialists will carry out a review of system operation and generate a health check report, which will provide an assessment of the system components that require repair, replacement, or upgrade in order to maximize system efficiency.

After presenting the report, we meet with you again to discuss our recommendations in depth. We can also provide a cost-benefit analysis, based on the different options, to help you set priorities.

## Why it makes sense

By conducting a condition audit you will determine if your plant is performing according to design specifications. A condition audit will also give you a first indication regarding your potential to save energy by optimizing your system. You can learn more about the opportunities to optimize energy usage at your facility by requesting a complete energy audit.



## Why Xylem TotalCare

When you work with Xylem TotalCare services, you get secure, optimal operations that come only with broad engineering expertise in water and wastewater.

- Provide solutions for equipment and control improvements
- Identify operational inefficiencies
- Identify opportunities to improve plant performance
- Reduce downtime and costs for emergency repairs by acting proactively to identify system weaknesses

## Health check (5-point inspection)

- Run pump and monitor noise abnormalities
- Check amps
- Ensure motor protection is being utilized
- Check condition of wet well
- Collect pump and panel data

## Case study

**CHALLENGE:** Improve operational reliability, reduce costs and save energy at the world's largest UV TAK installation, with 12 channels and an average volume of 300,000 m<sup>3</sup> of treated water per day.

**SOLUTION:** A condition audit that consisted of an overall "system health check". The results of the condition audit showed the need for some upgrades (new lamps and ballasts) which resulted in considerable energy savings and improved performance of the system.

## Price

The price of a condition audit depends on the size and complexity of the system. Please contact your local Xylem service manager for details.



What can Xylem do for you?

Call 704-409-9700



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