



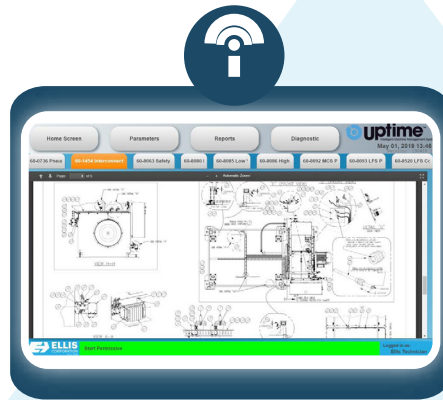


Intelligent Machine Management System

-  Predictive Machine Maintenance
-  Data-Driven Performance
-  Real-Time Monitoring & Alerts
-  Maintenance & Training Video Library

Uptime® leads the industry of intelligent machine management systems through its seamless integration of Ellis Equipment and Ludell Water System data, offering a comprehensive solution for industrial operations. Its advanced features, including real-time monitoring, remote accessibility, and automatic data collection, empower operations with unparalleled insights and efficiency, setting it apart as the premier choice for optimizing workflow and productivity.



24/7 Remote Equipment Monitoring

Enable seamless remote monitoring of equipment performance with advanced surveillance technology for continuous supervision.



Schedule Maintenance

Pre loaded instructional videos for routine maintenance.

Scan to Watch a Video



Advantages with Uptime®

- Data collection during system operation
- Capturing vital information such as gallons for process and hot water, system operating time, energy recovery, and more.
- Real-time storage of trending data, enabling users to monitor modulating valve positions, steam levels, and reclaimer approach temperatures.
- Automatic generation of CSV files for easy transfer onto USB sticks.
- Optional PC networking for remote management, facilitating adjustments without physical access to controls.
- Remote accessibility via VPN technology, allowing users to monitor and manage the system from any location with internet connectivity.



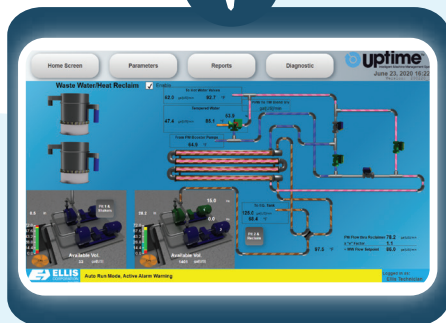
Available on ALL Ellis & Ludell Water Solutions Equipment

Uptime®

A Different Approach

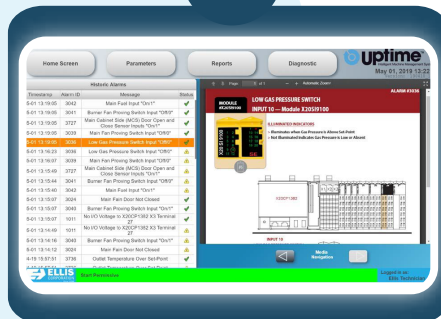


By routinely inspecting, servicing, and updating equipment, plant operations can anticipate potential issues and address them efficiently, significantly reducing downtime and enhancing overall productivity. Uptime® is key to predictive maintenance as it allows for the continuous operation of machinery, leading to consistent production outputs and reduced operational costs. This preventative stance not only extends the lifespan of the equipment but also ensures that the machinery performs optimally, safeguarding production against unexpected disruptions and losses.



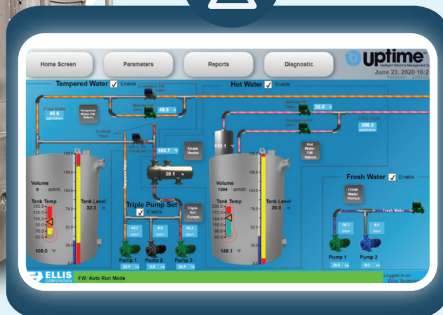
Self Monitoring

Real time data collection, visualization and reporting.



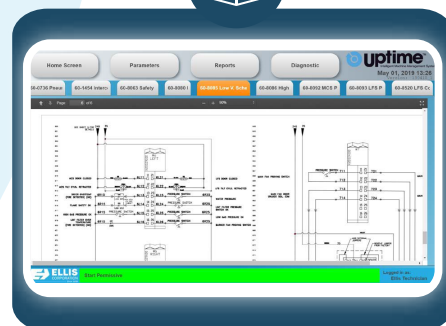
Multi-Tier Troubleshooting

Directions to exact location of problem electrical or pneumatic component.



Visual Diagnostics

Interface shows the exact location or component that needs attention.

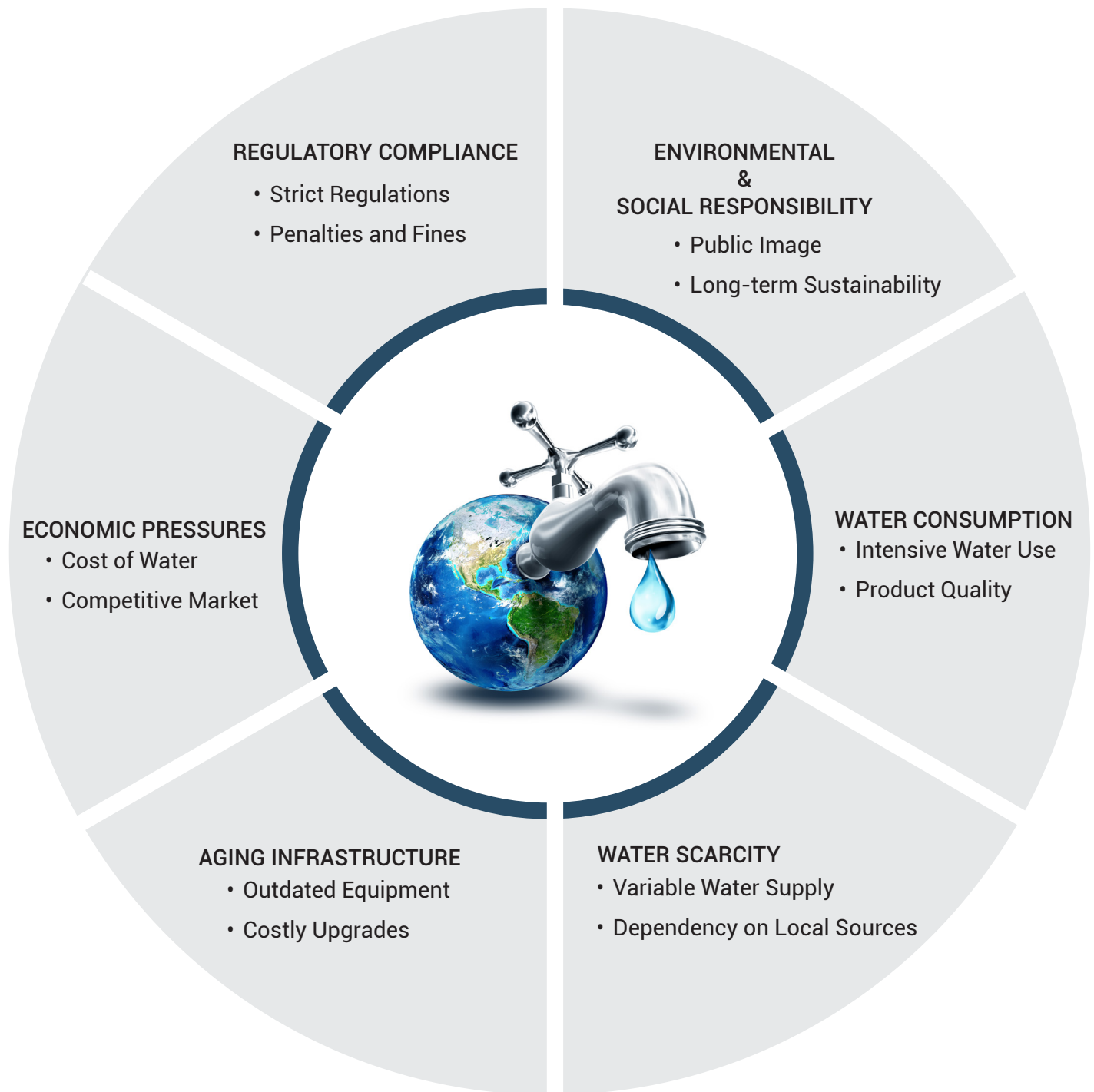


Digital Instruction Manual

Given electrical schematic or video for replacing problem component.

The screens presented represent only a fraction of our technology interface; numerous other data displays are accessible.

Conservation & Sustainability Challenges





In the challenging landscape of industrial manufacturing, water management is a critical concern for production facilities, especially for those aiming to enhance sustainability while maintaining operational efficiency. Production managers are constantly faced with the dual task of optimizing water use for economic benefits and minimizing environmental impact. Balancing high water consumption, equipment efficiency, regulatory compliance, and water availability poses significant challenges. Uptime® Intelligent Machine Management System offers innovative solutions to these issues, supporting requirements and goals of improving water efficiency, ensuring compliance, and reducing environmental footprint.

Strategic Water Management with Uptime®

Uptime® plays a crucial role in supporting water conservation through advanced monitoring and optimization of industrial equipment, particularly in water-intensive industries. By integrating smart sensors and trending analytics, the system provides real-time data and insights into the operational efficiency of machinery. This enables proactive maintenance and adjustments that not only extend the lifespan of the equipment but also enhance its water usage efficiency.

Real-time Monitoring

Continuously tracks the water usage of machines, identifying areas where water consumption can be reduced without compromising operational efficiency.

Proactive Maintenance

Maintain equipment before failures occur, reducing the risk of water wastage due to leaks or inefficient machine operation caused by wear and tear.

Optimized Performance

Ensures machines are operating at peak efficiency, which minimizes unnecessary water use.

Data Analytics

Collects and analyzes data over time to provide insights into water usage patterns and recommend further improvements in water conservation strategies.

Automated Adjustments

Implements automatic adjustments to machine settings based on real-time data, helping to maintain optimal water usage with minimal manual intervention.

Leveraging Uptime® for Effective Knowledge Management During Employee Transition



As production faces the challenge of an aging workforce and the resulting loss of institutional knowledge and critical expertise, Uptime® offers an essential solution. Uptime® facilitates seamless knowledge transfer through

comprehensive documentation and step-by-step video maintenance tutorials. Mentorship initiatives utilizing Uptime® effectively bridge the knowledge gap and preserve essential operational know-how. This ensures critical operational knowledge is retained within the organization, promoting continuity, and reducing the risk of potential disruptions in operations.



Real-time Monitoring and Alerts

Alert screens help operators immediately identify and prioritize issues with the complicated equipment and systems, reducing downtime and enhancing efficiency.



CERAMIC FILTER V-018, MODULE 2 BACK PULSE ISOLATION VALVE OPEN WATCHDOG TIMED OUT
Back Pulse Isolation Valve Does NOT Close Within a Given Time After Logic Tells it to Close
—Verify all connections going to valve are secure



Available on ALL Ellis & Ludell Water Solutions Equipment



Accessible Information

The QR code provides instant access to specific maintenance instructions and videos, making it easier for operators to understand and perform necessary repairs.

YOUR 24/7 VIRTUAL ENGINEER



Enhanced Mobility & Convenience

Using a smart device to access repair information, employees can quickly retrieve and follow detailed instructions directly at the equipment's location, without needing to return to a central office or reference physical manuals.



Empowered Employees

With direct access to repair instructions, employees can address and resolve issues more effectively, boosting their confidence and competence in maintaining the equipment.



Ellis Corporation specializes in designing and manufacturing advanced water treatment equipment tailored for various industrial applications. Their product lineup includes wastewater treatment systems, water filters, dissolved air flotation units, and sludge dewatering presses, focusing on water recycling and waste reduction to help industries comply with environmental regulations.



Ludell Manufacturing Co., a subsidiary of Ellis Corporation, offers a range of products including water heaters, heat absorbers, wastewater heat recovery systems, exchangers, and water storage tanks. With over 65 years of expertise, they serve key industries like energy, healthcare, and food processing across the United States. Ludell is known for its ASME-certified innovations that enhance energy efficiency and operational longevity in its equipment designs. They provide comprehensive services from design to installation.



Available on ALL Ellis & Ludell Water Solutions Equipment

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