R.E. MASON

Emerson Impact Partner

TURNING BOILERS INTO PROFIT CENTERS: HOW ONE PAPER MILL TRANSFORMED BOILER EFFICIENCY

At a southeastern paper mill, four boilers are critical to mill wide production. Boiler reliability is dependent on proper boiler chemistry. For years, three of the four boilers relied on manual angle body valves for continuous blowdown service, leaving operators wrestling with inconsistent water quality and rising maintenance costs.

MANUAL BLOWDOWN, MOUNTING COSTS

Operators knew the risks. Inconsistent blowdown meant fluctuating boiler chemistry, leading to scale buildup, corrosion, and costly downtime. Only one boiler had been upgraded with an automated Fisher control valve, and the difference was clear: **stable operations, reduced waste, and fewer headaches.**

AUTOMATED CONTROL, OPTIMIZED PERFORMANCE

To bring that same reliability across the powerhouse, the mill invested in three Fisher 2" HPAS angle body control valves with DVC6200-AD digital controllers. To ensure uninterrupted operation during maintenance, 24 manual valves were also purchased for bypass lines. This upgrade enables precise control of blowdown rates, minimizing heat and water loss while effectively removing dissolved solids. The result? Cleaner boiler tubes, reduced chemical usage, and less wear on critical process components.

PRECISION THAT PAYS OFF

By moving to automated precision, the mill saves $200,000 per boiler annually—$800,000 across all four boilers, year after year. Beyond the numbers, operators are empowered, assets are protected, and the plant has **set a new standard for efficiency, reliability, and long-term cost control.** With R.E. Mason and Emerson technologies, this mill turned what was once a hidden cost into **perpetual savings.**

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READY TO TURN YOUR BOILER ROOM INTO A PROFIT CENTER?

Let's talk about how automation can deliver precision, savings, and peace of mind—one valve at a time.

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