Sustainable Strategies: IIoT for Water Systems

The financial and infrastructural bedrock of water and wastewater systems, instrumental in vanquishing waterborne scourges like cholera and typhoid fever, was established over the past century.

Industrial Technology Trends

A Secure Process Intelligence Publication

These monumental projects, while boasting commendable longevity, now face an ominous reality—impending obsolescence demanding exorbitant replacements. Projections foretell a staggering surge from 10% to 44% in the next two decades, categorizing pipe systems as "poor," "very poor," or "life elapsed."

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In the realm of Industrial Internet of Things (IIoT) solutions, an alternative is taking center stage. Envision a future where compliance enablement and cutting-edge technology not only confront this looming crisis but also herald a paradigm shift, demonstrating 70% labor savings. The IIoT, a revolutionary force in infrastructure management, offers a cost-effective and forward-thinking strategy. This bold approach ensures the health and resilience of our water systems, laying a foundation for future generations.

As we navigate the precipice of change, the IIoT emerges not just as a solution but as a transformative force, reshaping the narrative of water infrastructure with innovation, efficiency, and a commitment to sustainability.
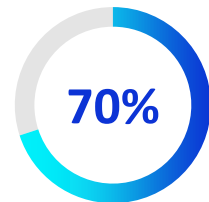
Take a look at some of our case studies here: https://sp-i4.com/industrial-water/ , https://sp-i4.com/municipal-water/ , https://sp-i4.com/other-industries/

Fast Facts

$2 Bn

$2 Bn was spent on IIoT in the Water Industry in 2022

1 Tr

1 Trillion: number of new IIoT connected devices in next ten years

70%

70%: labor savings by implementing remote monitoring in water applications

Sources:
Water & Wastewater Infrastructure, Frank R. Spellman
American Water Works Association

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