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Hydro Insight: Designing a Community Water Supply Analytics System for Sustainable Resource Management

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Abstract: Unsustainable community water use is a major problem that puts stress on the ecosystem and depletes resources. Inadequate analytics in current water management systems lead to poor decision-making, inefficiencies, and possible disasters. The design and implementation of a Community Water Usage Analytics System, which makes use of cutting-edge technologies to track, evaluate, and optimize water consumption, is urgently needed to address this. In addition to providing real-time insights on usage patterns, the system ought to provide practical suggestions for sustainable resource management, enhancing the community's long-term social and ecological well-being.

Keywords: Unsustainable community

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