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Technology is improving accuracy, driving innovation and forging a path into automation and autonomy for the management of water resources. These improvements will not only allow water management companies to more quickly and seamlessly adapt to meet the demands of an ever-changing global landscape, but also improve the management and delivery of this vital resource.

The incorporation of technological advancements such as IoT will have immediate and long term benefits to water management systems. IoT sensors deliver more accurate readings on meters, thus creating improved asset operation day one and reclaiming potentially lost revenue due to inaccurate meter readings. However, this investment is only one of the potential benefits that an improvement in data quality at the meter could have for a company. These new insights, when combined with additional and historical data, can help deliver on broader business and resource management goals, such as building efficiency and resiliency in the system. In this way, technology investments not only improve the actual data gathering efforts but also the accessibility of the data for additional analysis to be performed and insights to be gleaned.

Ultimately, moving towards a more automated or AI-reliant system will drive business wins and future progress. Automation technologies can drive down operational costs for water management systems and improve business processes. Additionally, predictive algorithms can better forecast future water needs and predict future spending needs for maintenance, repair and replacement of current infrastructure. This type of intelligence could also allow water management systems to play a larger and more proactive role in the ecosystem needs of a city or community.

Technology improves water management systems, allowing companies to drive profits and improve responsiveness in a field increasingly impacted by climate change, population growth, rising customer needs and dwindling supply.