



CHARITY: WATER AND ACCENTURE LABS COLLABORATION

VIDEO TRANSCRIPT

Christopher Gorder: Water is fundamental to life. Life doesn't exist without water, and it is the basic foundational building block of all development. It's very difficult for us to imagine that education or health or gender equity or democracy can thrive without clean water. There are three billion people around the world who rely on very small, community managed water points for their clean water.

Zaid Tashman: There's about 3000 of these water pumps and sold in Northern Africa with a sensor connected to the cloud. The data coming from all these 3000 sensors were data that we've analyzed a total of 32 million data points. From that amount of data, we were able to extract patterns and understand how people use these water networks. We were also able to detect anomalies, so potential failure of the pump or behavior or changes in behavior of how people use it. And that was one of the building blocks of a predictive maintenance application that Charity Water is now looking into implementing.

Sonali Parthasarathy: So today, if a pump fails, people have to walk several miles to a neighboring village to get clean drinking water. We hope that with the work we've done with Charity Water, we'll be able to solve that problem.

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