

Smart fluid control system



Sagentia was approached by a major player in the water industry regarding the development of a 24x7 smart fluid control system. A core requirement was the capture and conveyance of real-time data from a cloud service delivery platform to facilitate customer analytics. In addition, the user experience of various stakeholders, including calibration, commissioning and maintenance professionals, had to be considered.

Sagentia devised an iOS application incorporating near field communication (NFC) and Bluetooth technologies. To ensure its longevity and adaptability, 4G cellular support was embedded, as well as Low Power Wide Area Network technologies LoRa and SigFox. These come from a new family of communications technologies allowing devices to convey small volumes of data over a long distance with low power. This is an important IIOT capability, offering significant advantages over current cellular network technology for machine-to-machine communications.

This progressive solution enabled the client to take a major step forward in its capability and market offering. It created a rapid, future-proof route to out-perform competitors.