Water-Cup System

The Water-Cup System is an online water management information cloud platform which integrates the functions of water quality monitoring, user management and sales management. At this stage, there are two subsystems called water quality online monitoring system, and online water meter charging system.

Water quality on-line monitoring system is an integral separate system from sampling, pre-processing, transmitting, storing data and analyzing by the multi-parameter water quality monitoring equipment providing real-time and effective information and using the technologies of Internet of things and computer. This system can achieve the function of water quality on-line monitoring.

Water monitoring parameters include Temperature, Ph, Dissolved Oxygen, Conductivity, Turbidity, Chlorides, Ozone, etc.

Monitoring system adopts multi-privilege mode, the corresponding level of the administrator has the appropriate management authority. Each level can view the specific test data.

Figure 1 On-line Water Quality Monitoring System Topology

Online water meter charging system, through storing and managing the recharge card status and the amount uniformly, achieves “online recharge offline consumption” model, so as to control the overall consumption situation. Recharge methods include Alipay payment and WeChat payment.