

A high-speed photograph of water being poured into a clear glass. The water is captured mid-pour, creating a dynamic splash and numerous bubbles. The background is a soft, out-of-focus blue with a geometric pattern of light blue triangles. In the upper left, three overlapping dark blue teardrop shapes contain white text.

The most experienced
IoT solution provider
in the water industry

Aplix creates access to the internet of things (IoT) for all users, everywhere and on every device by designing an easy-to-use wireless connectivity solution that is affordable and available to all.

Aplix has worked with water treatment system providers and home electronics manufacturers to develop dozens of proven hardware solutions that address the unique requirements of the water treatment industry.

That makes Aplix the most experienced IoT solution provider in the water industry.

Aplix has partnered with Taiyo Yuden (<http://www.t-yuden.com>), a leading solutions provider in the wireless connectivity market. We create the "Time-to-Market Cloud IoT Solution," which integrates module technology with smart phone apps and connection to the backend cloud server services.

TAIYO YUDEN



Aplix Corporation of America

A Solution Example

Visualize water usage to continuously monitor the water treatment systems

IoT Water Flow Sensor Beacon

Sense water flow and show water usage in various data forms

Aplix IoT water flow sensor beacon has been adopted by the world largest kitchen sink manufacturer. The sensor beacon can be retrofitted to existing water treatment systems as well as new ones.



TAIYO YUDEN
EYSGCNZWY
Bluetooth® module featuring low energy technology

Aplix IoT Water Flow Sensor Beacon Can:

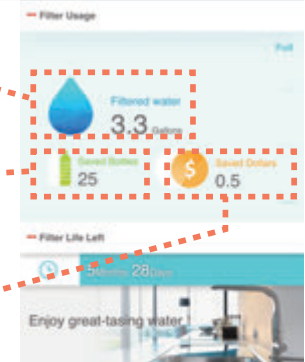
Visualize the Water Usage

Visualize usage data of any water treatment systems on the smartphone app by monitoring water flow. Visual interface can be designed in so many ways. Data such as how much water has been treated, how many plastic bottles been saved, and how much dollars have been saved can be shown in the app. The users can easily see the benefit of owning water treatment systems.

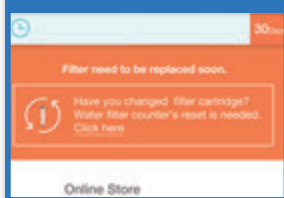
Water quantity treated since installation (in gallons)

How many plastic bottles if in 500ml bottles (in bottles)

How much money saved by not buying bottled water (in dollars, etc.)



Filter Replacement Alert Screen



Smartphone app shows an alert when filter replacement is due. The app provides a link to the online store to purchase replacement filters.

Alert When to Change the Filters

Filter replacement alerts are sent automatically based on the actual amount of water treated. The app can provide links to online stores to order replacement filters so that users do not need to look for replacement filters. By providing timely alerts and easier way of getting replacement filters to the users, risk of lost-opportunities in replacement filter sales are minimized, resulting in sustainable post-sales revenue opportunities.

Make a Difference with IoT

With varieties of products available in the market and the qualities of competing products being ever harder to compare, it is very difficult for consumers to make choices. It is also difficult for manufacturers to distinguish themselves from the rest. The long-lasting post-sales relationship created through smartphone interfaces between manufacturers and product users will help enhance the brand value. Needless to say, new functions enabled by IoT technologies can make a product distinguishable from others without burdens usually required to develop a completely new innovative product. Big data obtained from products in use may also benefit businesses in variety of ways.

