

March 26, 2018

Aplix Corporation

(Code: 3727 TSE Mothers)

**Launch of All-In-One Package “HARPS™” for IoT-capable  
Water Treatment System on April 1**  
— Services compatible with various sensors planned to be provided in  
addition to filter life surveillance for water purifiers —

Aplix Corporation (headquartered in Shinjuku-ku, Tokyo, Representative Director Kengo Nagahashi, hereinafter “Aplix”) engaging in development of solutions for IoT (Internet of Things) products will begin sales of “HARPS™” in the U.S. and Europe from April 1, 2018. Launch in Japan is planned in the summer of 2018. “HARPS” is a packaged product to monitor information on water treatment system via the Internet. We plan to propose “HARPS” to domestic and overseas corporations including manufacturers of water purifiers, restaurants, housing equipment manufacturers, etc. that handle water purifiers as well as to corporations as sellers or owners of machinery, factories, and facilities that handle water.

**“HARPS” characteristics**

“HARPS” contains a device to send information on a sensor to the Internet (sensor gateway), smartphone app, dedicated cloud service, etc.

Simply by attaching the device and sensor contained in the package to the water treatment system, it is possible to start monitoring the water treatment system by using a dedicated cloud service. Any of professional knowledge on IoT, construction/reconstruction of water treatment system, or new development work is unnecessary.



Image of HARPS structure

**Services provided with “HARPS”**

The following services are to be provided from April 1.

Service name	Function
<b>Surveillance of water flow and time</b>	The use status of and date to replace water purifier filters are monitored by connecting to a water flow sensor. The water use volume is also recorded at a set interval.
<b>Customization</b>	Aplix customizes “HARPS” package including compatibility with various types of water flow sensors.

**Services planned to be provided with “HARPS” in the future**



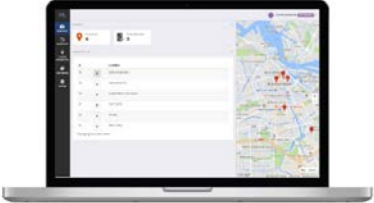
We received many requests from corporations<sup>\*1</sup> who used the monitor version of “HARPS” about compatibility of items other than water flow sensors; therefore we are currently working on enhancement of “HARPS” functions to be applicable to the water treatment system in general.

Following services compatible with various sensors on water are planned to be provided in the future.

Service name	Function
<b>Surveillance of RO membrane performance</b>	The time to replace RO membrane (reverse osmosis membrane) is monitored by connecting to a simplified TDS sensor (sensor to measure the removal rate of electrolytic substance dissolved in water).
<b>Surveillance of water leak</b>	Water leaks are monitored by connecting to a water leak sensor.
<b>Surveillance of temperature</b>	Water temperature is monitored by connecting to a temperature sensor.
<b>Surveillance of water pressure</b>	Water pressure is monitored by connecting to a pressure sensor.
<b>Surveillance of CO2 volume</b>	The remaining volume in a carbon dioxide cylinder used to manufacture carbonated water is monitored.

Aplix plans to actively expand the “HARPS” service lineup and at the same time engage in contracted development of “HARPS” customization, etc. in the future to carefully support IoT capability that matches the need of customers.

## Content of “HARPS” package

	<p><b>Sensor gateway “IoTIZR”</b></p> <p>Small-sized device to send information via a wireless LAN or Bluetooth® Low Energy by connecting to various sensors.</p> <p>Power supply: micro USB B (Receptacle) 500mA or above</p> <p>Size: L85mm * W50mm * H15mm (typical)</p> <p>Size: 45g (typical)</p> <p>Option: Water flow sensor USB AC adapter</p> <p>(Please contact us if you use a water flow sensor other than the accessory in the option.)</p>
	<p><b>Smartphone app “HARPS Toolkit”</b></p> <p>App for iOS and Android</p> <p>Can also be used as a mobile customer list in addition to using for “IoTIZR” setup. Please see the following web pages for behavioral specifications, etc.</p> <p>[iOS] <a href="https://itunes.apple.com/app/harps-toolkit/id1272009387?mt=8">https://itunes.apple.com/app/harps-toolkit/id1272009387?mt=8</a></p> <p>[Android] <a href="https://play.google.com/store/apps/details?id=jp.co.aplix.mybeaconlauncher.harpsAqua.std.admin&amp;hl=en-US">https://play.google.com/store/apps/details?id=jp.co.aplix.mybeaconlauncher.harpsAqua.std.admin&amp;hl=en-US</a></p>
	<p><b>Cloud service “HARPS Dashboard”</b></p> <p>Web service to manage customer information and water treatment system</p> <p>The service to monitor the water flow and time is provided as of April 1, while ready-to-use services for customers compatible with various sensors are planned to be provided in the future.</p> <p>* The image in the display is simulated.</p>

## Exhibition and demonstration of “HARPS”

Exhibition and demonstration of “HARPS” will be during the “2018 WQA Convention & Exposition” to be held in the U.S. from March 26 (Monday) to March 29 (Thursday), 2018. For details, see the Aplix press release dated March 26, 2018 entitled “Exhibition at the “2018 WQA Convention & Exposition” Hosted by the Water Quality Association in the U.S.”

## Details and contact information about “HARPS”

Please see the [HARPS Website](#) for details about HARPS and detailed specifications on “IoTIZR.” Please use the “[Contact Us](#)” page for questions about “HARPS” and consultation for purchase.

\*1 Refer to Aplix’s press release dated October 27, 2017 entitled [Development of IoT-capable All-In-One Package “HARPS Aqua,” Just by Connecting to a Water Purifier Complimentary monitor version to be distributed at “Aquatech Amsterdam 2017”](#)

### ■About Aplix Corporation

The mission of Aplix Corporation is to use the power of software to bring happiness to everyone in the world. Following the success of JBlend, which opened a new frontier for Java on mobile phones, we are currently developing the field of IoT. By supplying IoT solutions from IoT modules (beacons), smartphone apps to cloud services, we aim to advance the transition of household appliances and other products to being IoT-ized devices and in doing so, realize our concept of “enriching people’s lives with notifications from things.”

Investor Relations Information: <http://www.aplix.co.jp/en/>

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