

## TECHNOLOGIES ENTRY FORM - WIPO GREEN

**Please make sure that you do not inadvertently disclose any confidential business information that you should keep secret.**

Before submitting your technology solution for inclusion on WIPO GREEN, please check that you have not disclosed any confidential business information. Once such information has been shared, it may not be possible to prevent its use by third parties. Moreover, your submission may constitute online disclosure, thus making it impossible to obtain a patent in the future (if you have not already applied for or secured patent protection for your invention).

You will find more information about trade secrets here:

<https://www.wipo.int/tradesecrets/en/>

## Technology

\* Mandatory

<b>Title *</b>	Irrigation Control
<b>Short Summary</b>	Automation and control of agricultural irrigation.
<b>Description *</b>	<p>AguaControl is a digital automation and water control platform for better management of irrigation water, nutrients, and fertilizers. With local or remote access via web or app, this technology is installed in the orchard, connected to a network of sensors, pumps, and control valves that allow remote monitoring and control of the water from the primary source until it reaches the plant, to optimize field yields through better water management. AguaControl services include the integration of the best technologies for each orchard. In addition to the necessary advice to operate and monitor the platform.</p> <p>Aguacontrol, controls the irrigation panels, sectors, pumps, filters, wireless valves, among others. This solution differs from other systems because, in addition to controlling the irrigation time, it measures the flow of instantaneous and accumulated water, which is compared with the design flows to identify and report failures of excess or deficit of water, pump failures, matrix breakages, or leaks that, over time, mean increased costs and in the long run cause losses in yields</p>
<b>Keywords</b>	<p>Automation, control, irrigation, water, hydric, fertigation, agricultural, drives, water efficiency, agriculture, drought, flow control</p> <p><i>Identifiable keywords in a free text box, separated by a comma or semi column, Maximum 500 characters</i></p>
<b>Website</b>	<a href="http://www.aguacontrol.cl">www.aguacontrol.cl</a>
<b>Technology categories* (irrigation, fertilizer, etc.)</b>	Water, irrigation, water efficiency, agriculture
<b>Collections</b>	LAC Climate Smart Agriculture
	<i>Only to be filled if your upload is part of a WIPO GREEN Acceleration Project or similar. If in doubt, leave blank.</i>
<b>Country of Development*</b>	Chile
<b>Country of Deployment</b>	Chile
<b>Technology Appraisal</b>	

**Environmental benefits**

**Major environmental benefits**

Air	
Biodiversity and ecosystems	
Energy	
Food	
Forestry	
Greenhouse gases	
Land	
Mining and Metals	
Natural gas	
Oil	
Sea	
Solid fuel	
Water	Optimizes the use of irrigation water and fertilizers in agriculture
Other (please specify)	Provides reports in accordance with the regulations of the General Directorate of Water

<b>Summary of benefits*</b>	In a single platform, the irrigation and nutrition of the plant can be controlled remotely and in real-time, optimizing their use and ensuring that they reach the plant in the exact amount that is needed. The technology alerts in real-time, which allow better water management. The platform automatically reports to the DGA (General Directorate of Water in Chile) software for good monitoring.
<b>Technology limitations (operational, environmental, maintenance, know-how, security, etc.)</b>	

### Technology development

<b>Development stage / Readiness level (TRL) *</b>	TRL 9
<i>Indicate TRL</i>	
<b>Collaboration partners</b>	
<i>Do you already have licensees, distribution partners, major clients or funders? Who are you currently working with: academic, corporate, investors?</i>	
<b>Project summary</b>	
<i>In case of applying</i>	

### Business opportunities

#### Type of collaboration sought \*

For sale	Yes
For Services	
Joint Venture	
R & D contract or research collaboration	
License	
Other (please specify)	

Technical assistance available (documentation, materials, installation, personnel, training, software support, others)	
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Application (please provide more details on the role of your technology in the value chain - from raw material extraction to unloading / recycling)	
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### Looking for investment?

In case you are looking for investment, please indicate the type

Bonds	
Grants	
Guarantee	
Private Equity	
Venture capital	
Other (please specify)	
Estimated amount in USD	

Documentation available to potential investors upon request

Business plan	
Executive summary	

### Intellectual property information

Type of patent	
Patent number	
Office	

### Contact Information

Name *	León
Lastname *	Cosmelli
Company name *	AguaControl
Email of contact *	<a href="mailto:info@aguacontrol.cl">info@aguacontrol.cl</a> , <a href="mailto:lcosmelli@aguacontrol.cl">lcosmelli@aguacontrol.cl</a> ; <a href="mailto:ebobadilla@aguacontrol.cl">ebobadilla@aguacontrol.cl</a>
Address	Valparaíso 4600, Ñuñoa
City	Santiago
Country *	Chile
Phone number	+56222989789, +56978797332, +569 8921 7775
Website	<a href="http://www.aguacontrol.cl">www.aguacontrol.cl</a>

Image (photos, drawings, diagrams, others)

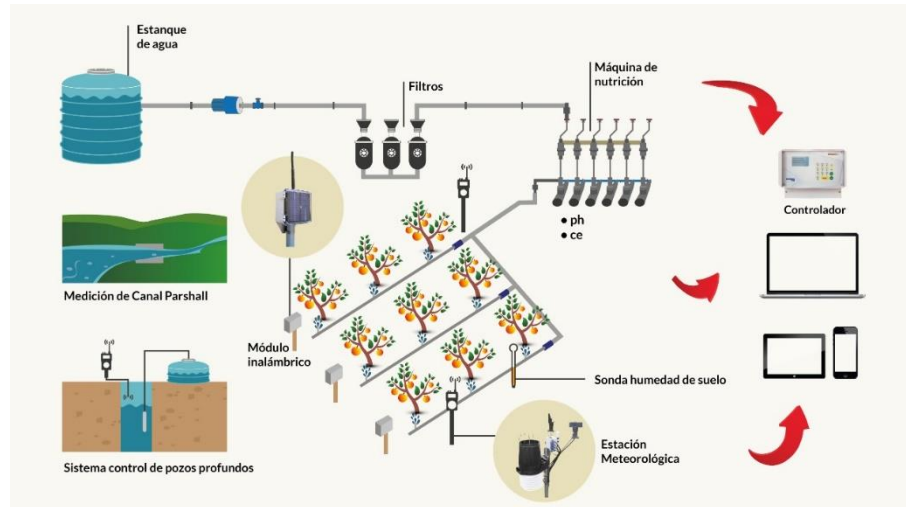


Image: Agua Control Smart System, How it works.

Source: Agua Control Chile.



Image: Agua Control Services

Source: Agua Control Chile.