

# PROJ0016

## ULiège

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blueriiot

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A vibrant photograph of a young child with short brown hair, wearing blue swim trunks, leaping from a white diving board into a clear blue swimming pool. The child is positioned on a large, bright red, inflatable flamingo float. The pool is surrounded by a light-colored deck. In the background, there's a white building with a balcony, several blue lounge chairs, and a woman standing near the house. The sky is a clear, pale blue.

blueriiot



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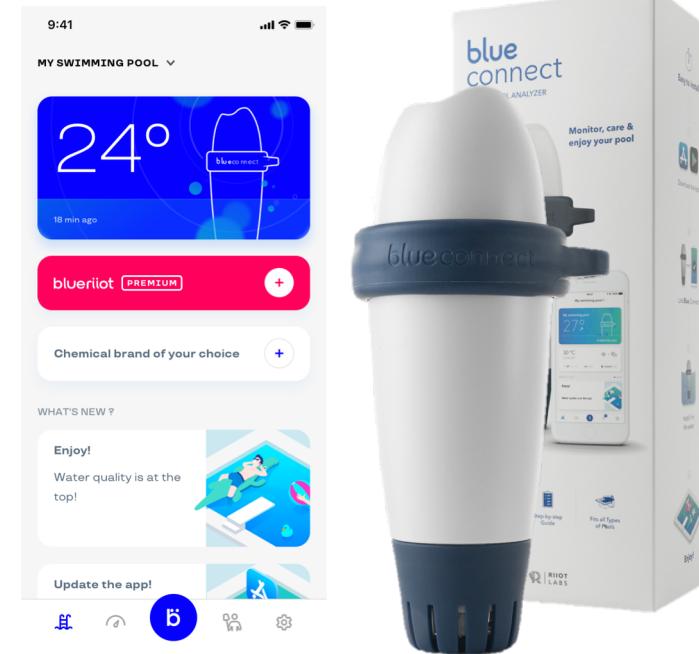
**FLUIDRA**

ASTRALPOOL 

 ZODIAC®

# Blue Riiot Pool & Spa Assistant

- 4-in-1 Sensor (Temperature, pH, ORP, Conductivity)
- Floats in the pool or installed on a pipe
- Bluetooth, Sigfox
- Compatible with Blueriiot Wifi Bridge
- From 2 to 20 automatic measures per day
- Unlimited Bluetooth measures



# Context



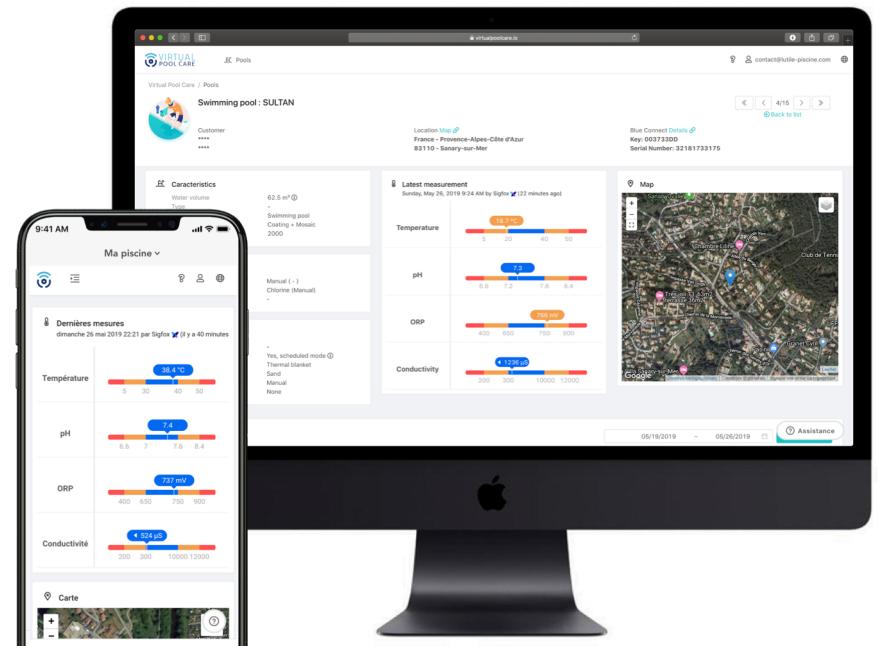
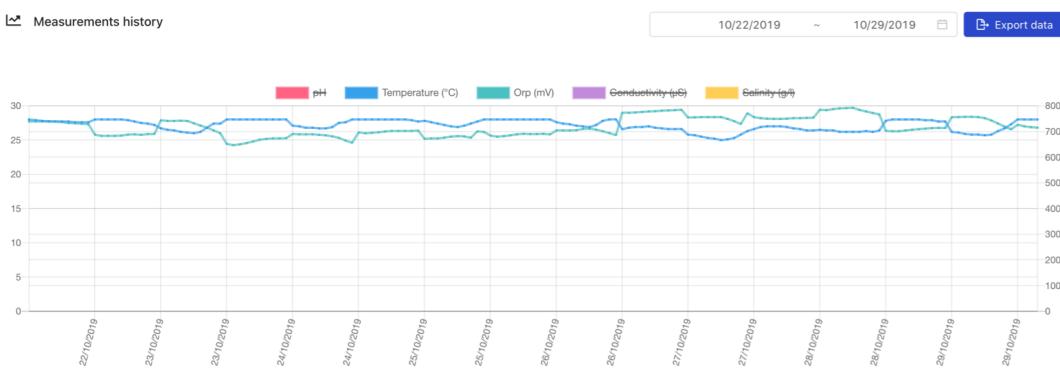
# Data

- **Pool Configuration** : inground/ above ground, spa/pool, volume, sanitizer, ...
- **Water measure** : température, conductivity, pH, ORP
- **Weather measure** : air temperature, wind speed, UV index, ....
- **Pool Guidance** : date, product, quantity, ...

+250.000 measures/day  
Canada, Australia, Europe

# Data II

- Available in a regular RDS Database (Pg\_SQL)
- Fields could be JSON structured
- Timeseries (water, weather) are not strictly aligned
- Data gaps may exist (connectivity issue for example)



# Opportunities

A photograph of a swimming pool. The pool's edge is made of white tiles, and the water is a clear blue. A wooden deck made of light-colored planks surrounds the pool. In the background, there is a white brick wall. Above the wall, the sky is blue with a few white clouds. On the far left, the fronds of a palm tree are visible.

# Opportunities

- a. What will be the temperature of my pool this afternoon ?
- b. Was there anomalies or significant changes of the chemistry state of my pool ?
- c. Which dosis is the most suitable to inject in the water to increase water quality (sanitizing) ?

A photograph of a person's legs submerged in clear, blue water. The water is rippled, and sunlight reflects off the surface, creating bright highlights. The person's skin is a light tan color. The background is a solid blue.

Thank you