

CTi



Make your Pump Control Panel
Smarter with our Smart Antenna :
Monitor your pump failure cellularly through
your smart device !

In some areas your home is more likely to be damaged by a flood than a fire. One of the most common ways the water gets in your basement is drainage, Known as sump. According to industry estimates 14,000 people in the US experience water damage emergency at home or work every day, and 98% of basements in the US suffer of water damage during their life time. Having a high-quality sump pump with a monitoring system can prevent a lot of damage.

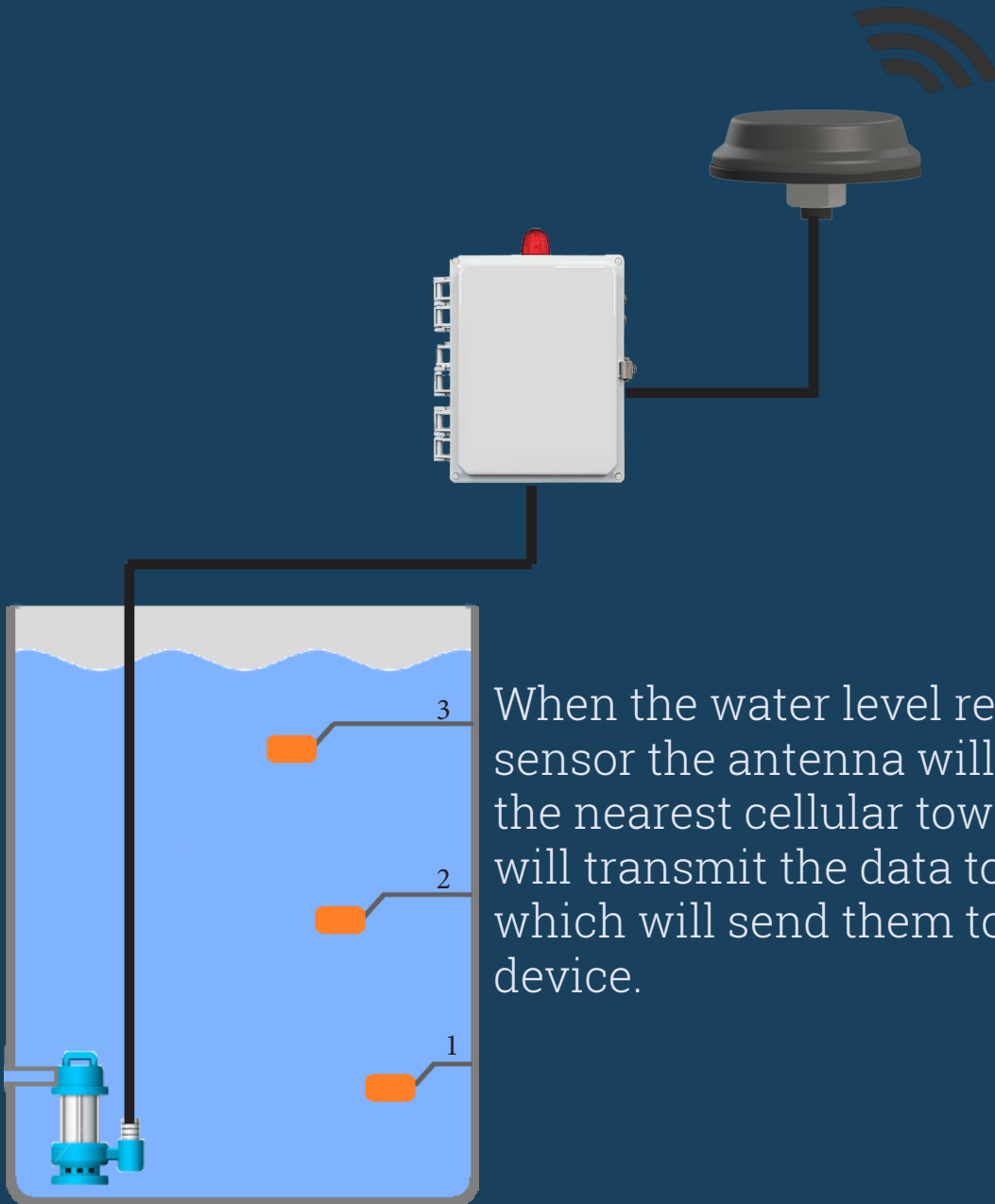
What is The Smart Antenna ?

The Smart Antenna is a programmable cloud -based device, which can be connected to any electrical system to control or monitor it. It has digital input, digital output, and a Modbus/ Can bus .

How does the smart antenna monitor your pump operation?

The smart antenna monitors the pump operation according to a water level sensor. When water reaches a specific level the antenna indicates a failure. It sends a signal to the nearest cellular tower, which transmits the data to our control center, then our control center sends an alarm to the user.

As the figure shows , three water level sensors were installed in the water tank , the first and the second sensors from the bottom detect water level for the control panel to control the pump operation, and the third sensor detects pump failure when the water level exceeds the normal level .



When the water level reaches the third sensor the antenna will send a signal to the nearest cellular tower, then the tower will transmit the data to our control center, which will send them to the user's cellular device.