



Bluetooth Water Meter

About Us

Devstringx Technologies (www.devstringx.com), Leader in Product Development, Mobile Apps Development and Independent Software Testing Services, headquartered at Noida, India. Devstringx is ISO 9001:2015 certified and also a NASSCOM member. Devstringx has its own Mobile and IoT Test Lab.

The Client

Our client provides water and pumping solutions in all over the world, they are providing world class pumping solution which is technically most advanced, excellent energy efficient and enduring durable.

Our aim is to offer you the support you need to keep your pumpset working efficiently to ensure long, trouble free operation.

Major Points

- One of the challenge was to authenticate mobile device and bluetooth device fitted with water meter.

- Once the App will try to connect with bluetooth device, then device will send a unique code which is already maintained on server, API will respond to app with pass/fail status for this unique code and if API respond with pass then connection will be established .

- Another concern was to transfer volume of data from chip to mobile app over bluetooth without any human intervention.

- To implement this effectively we transferred data from water meter to mobile app in chunks and maintained the information of last read track on register of hardware device. Whenever connection is established than this register value provide us information about the last read track which help us to send the data from next track.

- Dynamic graph generation was also one of the major feature as it involves too many parameters so each time different kind of graph will going to generate based on data.

- We have developed our custom library in jQuery to get this implemented as expected.