SenionLab

Equipment Tag for Indoor Positioning

Summer Project, Summer 2015

Background

SenionLab is a world-leading supplier of indoor positioning technology for smartphones. The technology is based on using the movement sensors, WiFi and Bluetooth Low Energy (BLE) signals to estimate the current position. One of the use cases for indoor positioning is to track equipment throughout a building. It is then desirable to have a cheap tag attached to the equipment rather than an expensive phone. This work aims to develop hardware and firmware for an equipment tag.

In this work, you will first **develop firmware** for existing prototype boards from the chip manufacturer. This includes local processing of data on the board as well as communication with our server backend. In a second step, you will **develop a customized board** with focus on power savings.

Applicant

We think that you are a student from Applied Physics and Electrical Engineering, Electronics Design Engineering, Computer Science and Engineering program or similar. You have experience in low-level programming and electronic design.

Company Background

SenionLab AB is one of Sweden's hottest companies, member of the 33-listan and nominated to mobile innovation of the year at Mobilgalan. The Linköping based company is today one of the leading players in the extremely hyped Indoor Positioning Systems (IPS) and Location Based Services (LBS) market. SenionLab AB is working globally and have to date produced indoor positioning installations in 31 countries. We work with some of the largest global companies in the Mobile business in pursuit of making LBS revolutionize our everyday lives. www.senionlab.com

Please apply as soon as possible and no later than 31:rd of May.

For more information and to apply, please contact
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