⊕ ABOENSE

REAL-TIME DATA-ANALYZING FOR SPORTS
PROTOPAJA 2019

WHAT WE DO:
Aboense is a startup run by students from Aalto University, University of Turku and Åbo Akademi. Our goal is to improve effectiveness of indoor sports training by gathering and analyzing data. The problem is to get real-time information about e.g. heart rate, respiratory rate and movement of several players at the same time. We have developed a platform for measuring the aforementioned information.

THE PROJECT:
The project is to develop our platform further. This would include approximately the following steps:

1. Be able to read data from our platform,
2. Track the location of the user through a wifi base station,
3. Wirelessly send data to a server via wifi stations (e.g. amazon web services),
4. Analyze info about heart rate and respiratory rate etc. via signal processing,
5. Show this data on a website, app or other in real time

TEAM PREFERENCES:
This project is suitable for technology students interested in signal processing, wireless communications or electronics. In this project, you get to challenge yourself with different kinds of steps in product development.

The contact person for Aboense will be Juho Aaltonen who is a co-founder of the company. In this project you will get to know more about the startup process as the founders of the company will mentor you through the project.

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