

Protopaja Summer Course 2023

Tuomas Maijala (Project Manager), Ilmari Oivanen, Iiro Naulapää
Muhammad Qaisar Nadeem

Helvar

MpW Sensor (Multipurpose Wireless Sensor)



Project Overview

The MpW Sensor project introduces solution for data collection in office spaces. Utilizing the power of the nRF52 micro-controller and the LIS2DH12 sensor, we have developed a wireless sensor node that captures motion data from various office objects and sends Bluetooth Low Energy (BLE) advert containing event details to a central hub or designated application. This facilitates the reception of real-time updates and insights of office space occupancy.

Applications

- ✓ Office Management
- ✓ Facility Maintenance
- ✓ Energy Conservation
- ✓ Real-time Insights

