Senion Indoor Positioning System (IPS)

Senion Indoor Positioning System (IPS) is a robust hardware-software system for indoor positioning of mobile devices.

Capabilities of IPS:

- IPS provides the indoor equivalent of GPS and can be deployed in a variety of environments and scenarios.
- Position smartphones indoors.
- Provide dynamic, indoor turn-by-turn navigation.
- Push notifications to users in specific zones.
- Collect location data for analytics.

Components of IPS:

- **Senion SDK**
  - Integrated into an existing smartphone application, leveraging a sensor fusion algorithm to calculate real-time device position.

- **Senion Beacon**
  - Bluetooth low-energy beacon with ~1000 sq ft range and ample shelf life. Tailor-made for indoor spaces with an attractive, low profile design.

- **Smartphone Sensors**
  - Built-in smartphone sensors including Bluetooth, Altimeter, Magnetometer, Gyroscope and Accelerometer.

- **Senion Server**
  - Scalable and secure cloud server, hosted on Amazon Web Services. On-device positioning keeps server traffic to a minimum.

Senion makes finding your way easy

**Complete Integrated System**
- Each component is engineered to work in synergy. This holistic approach results in robust indoor positioning, with full control and minimal maintenance.

**Seamless Installation**
- A user-centered approach, designed with simplicity and usability in mind. Installation, calibration, operation and management are all effective, efficient and easy to learn.

**A Simple, Proactive User Experience**
- Senion's Indoor Positioning System is backed by Verizon. The platform is flexible and reliable, enabling a solid foundation for future location-based solutions.