

Indoor Positioning



Walk in shopping mall.

OpenStreetMap <https://www.openstreetmap.org/copyright>

— Fusion track — GPS track — Network & GPS track

Navigate in the Mall

- Wherever you walk, indoor or outdoor, always accurate position information
- Indoor, if or when GPS “drops out”, we can navigate solely on motion sensors
- Motion sensors augment any available positioning data, e.g. GPS, network, wifi, etc. ...
- High update rate for smooth position visualization on maps (true real-time, >10 updates per second)

Picture: CiMotion software on Android phone. Android v4.4 or higher, build-in sensors and android location.

Technology

- A core technology in the CiMotion software is the Fusion Engine
- The Fusion Engine combines all available information to enhance navigation accuracy, at anytime
- The Motion Engine, and motion sensors, provides the essential context information for an effective fusion process
- Motion Sensor Based Navigation, also called Pedestrian Dead-Reckoning or PDR, can provide position at any location and works infrastructure less
- CiMotion Fusion: Accurate positioning anywhere!

Contact:

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