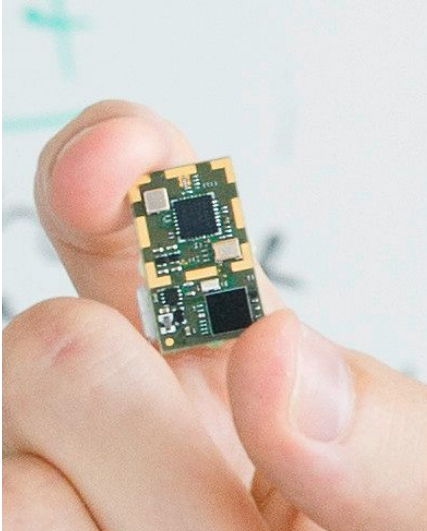


Product Brief



We build the most energy efficient tracking/localization solutions for wearable devices.

Performance Characteristics:

- **Energy Consumption:** Up to 1000x less than competition
- **Accuracy:** 10m CEP
- **Storage requirements:** 15Mb per day
- **Infrastructure cost:** 1\$ for operating a device three years
- **Hardware cost:** < 10\$ per unit

Details

Our tracking device does not evaluate a location itself. Instead it stores short GNSS observations for later processing. Positions can be computed on an end-user device such as a smartphone or in the cloud. The latter leads to a low infrastructure cost of 1\$ per device per three years.

The algorithms were filed for a patent by ETH Zurich. These algorithms guarantee optimal performance in adverse signal scenarios. This means that, despite the low energy consumption, the tracking device is able to function in all scenarios we can expect a normal GPS receiver to work.

Accuracy, energy consumption, and storage requirements can be traded off to achieve optimal performance for a given application. The values shown above represent what we deem optimal for a wearable tracking device. In this configuration, our technology enables multiple months of tracking in industry standard form factors.

¹ Founding of company in progress.