

HERE Positioning Services

Cross-platform GNSS and network positioning

Satellite

GNSS service with support for all major satellite systems

WiFi and cell

High-accuracy on- and offline network positioning

Network

Online network positioning for connected devices



HERE offers one of the best global positioning solutions for any device, anywhere in the world. The **HERE Positioning service** is fast, efficient and truly global. With industry-standard positioning enhanced with the trademark offline capabilities from HERE, you will be able to count on reliable, fast, and accurate position information under any conditions.

HERE Positioning Services support multiple GNSS constellations, with algorithms for reducing multipath interference to increase accuracy. Assisted positioning via Wi-Fi and cell networks benefits from a hybrid solution that includes on-device radio maps and offline ephemeris data for 14-day predictions of satellite locations.

Faster. Smarter. Works anywhere.

- Industry-standard A-GNSS supporting OMA SUPL2.0 and all major systems: GPS, GLONASS, BEIDOU, GALILEO (coming later in 2017)
- Faster positioning: <1–3s time to first fix using assisted services
- Better accuracy for network for cell and Wi-Fi positioning (30–50m for Wi-Fi; 200–300m for Cell-ID) with a constantly updated database
- Worldwide coverage with 88 million cells and 2.1 billion WiFi Access Points with millions of updates weekly
- Global data centers with 99.9% SLA

Unprecedented flexibility, on- or offline.

- Hybrid technology decreases battery consumption by 50%–80% over other solutions
- Offline ephemeris data predicts constellations up to 14 days in advance
- Offline assistance data using stored radio maps. Unique HERE algorithms allow cell and Wi-Fi maps to be stored in <100 kB tiles for easy onboard caching
- Online network positioning via REST APIs for devices without GNSS support
- Cross-platform solution configurable from chipsets to computers

For developers, HERE offers increased flexibility and accuracy for all platforms. Online or offline, HERE has positioning solutions you can rely on. Discover how HERE can help you make things that make sense of the world.

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