

HERE Cellular Signals

HERE Cellular Signals is a content product that provides multiple layers of information associated with cellular networks. By providing a “snapshot” of a cellular network at regular intervals, this product helps predict connectivity, identifying areas of optimal coverage to support voice communication and data uploads/downloads.



HERE Cellular Signals supports the **transportation & logistics** industry by improving the communications between dispatch and drivers. This helps businesses increase their efficiency and improve resource utilization. The product can also be used to optimize cloud connectivity for the **automotive** customers, allowing them to appropriately cache data for navigation and other purposes before losing the signal. And in **mobile communications**, HERE Cellular Signals can be instrumental in assessing network performance as well as planning future network investments.

The product is designed to support visualization and comparison of cellular networks for a given area. These features help to identify the areas for improvement by indicating the carrier, coverage area, signal strength (poor, fair, good, excellent) and signal type (LTE, 3G, 4G, etc.).

HERE Cellular Signals is available in two formats:

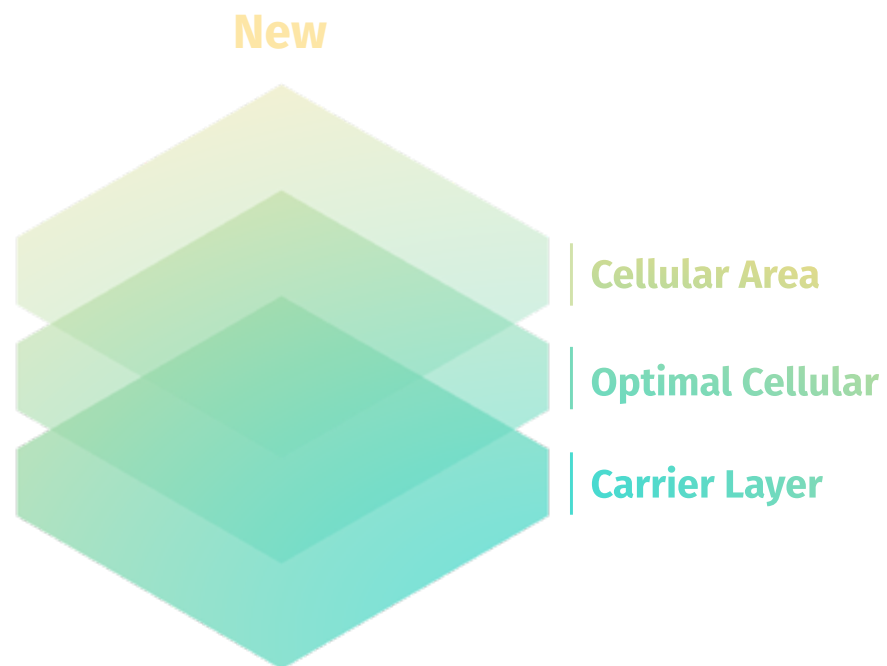
- FGDB
- GeoJSON

How does the product work?

HERE Cellular Signals includes three data layers:

- **Optimal cellular signal layer** provides a summary view of a single optimal cellular signal available, including information on network coverage, bandwidth and strength
- **Carrier layer** indicates a carrier with the optimal cellular signal for a given area
- **Polygonal layer** produces a polygonal illustration of the signal strength and coverage for each cell site, as experienced by the cellular subscriber

These three data layers, together with the corresponding geometry, are mapped to the HERE map tiles and include information on carriers available in the area, network coverage by the carrier, and signal type (LTE, 3G, 4G, etc.). Additionally, the product provides the signal strength by a cell tower in a polygonal configuration, as well as two layers with signal strength aligned to the HERE road network. All layers represent the cellular connection as experienced by the end-user.



Product Differentiators

Global footprint

Available in >190 countries

Data rich

Built with >90% more data than equivalent products from key competitors

Discerning input selection

HERE carries out several quality-protection actions on crowdsourced data to send only the most reliable ones to the processing engine.

HERE, a location data and technology platform, moves people, businesses and cities forward by harnessing the power of location. By leveraging our open platform, we empower our customers to achieve better outcomes – from helping a city manage its infrastructure or a business optimize its assets to guiding drivers to their destination safely. To learn more about HERE, including our new generation of cloud-based location platform services, visit 360.here.com and www.here.com.

Want to talk? We do, too. [Get in touch here.](#)

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