

General Electric Corporate Research and Development Center

Wireless Communications General Electric's Perspective

GE's communications and asset tracking operation areas are factories, hospitals, warehouses, runways, rail yards, etc... as well as the home and office.

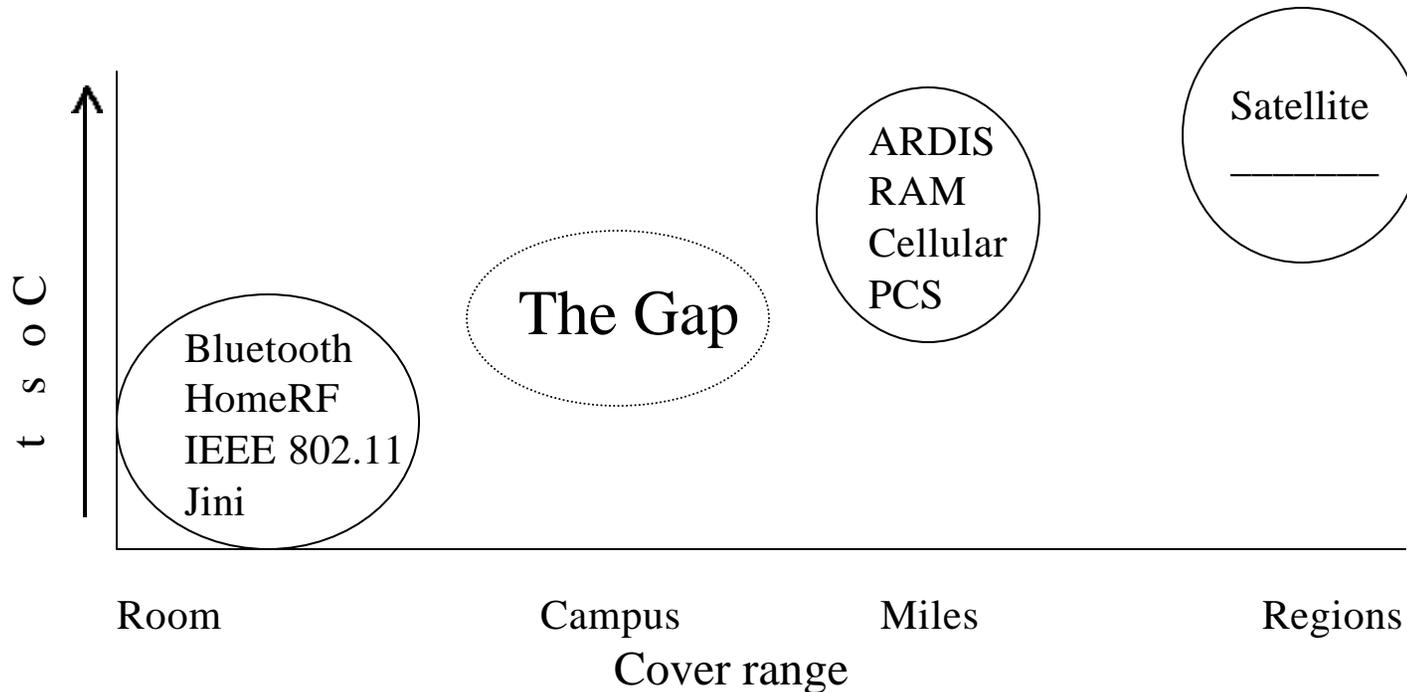
GE's installed base is diverse and enormous (e.g. Refrigerators, MR scanners, Aircraft Engines, Locomotives / boxcars, Circuit Breakers, Turbines, etc...)

GE needs wireless communications with a demanding set of requirements

- 1000+ foot range and sparse
- Rapidly deployable
- Low cost
- Low latency
- High interference RF environment
- Compatible with existing RF-sensitive equipment
- Low Power
- Building penetration (attenuation and multipath)
- Portable/Mobile
- Open Architecture and More!

Many GE applications are falling in the Wireless Gap

The Wireless Gap



GE aims to rally customer pull, partner with innovators and organize a commercialization path to provide “gap closing” wireless communication and tracking products.

First question for the next century, “Will Ultra wideband products close the gap?”