

INTERNET-OF-THINGS AND SMART ASSISTIVE HEARING DEVICES

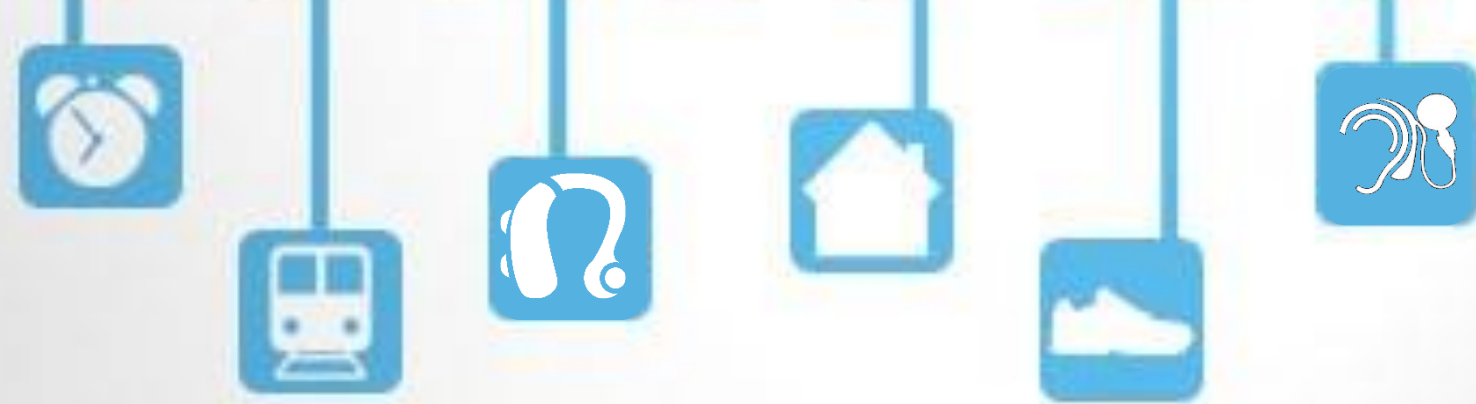
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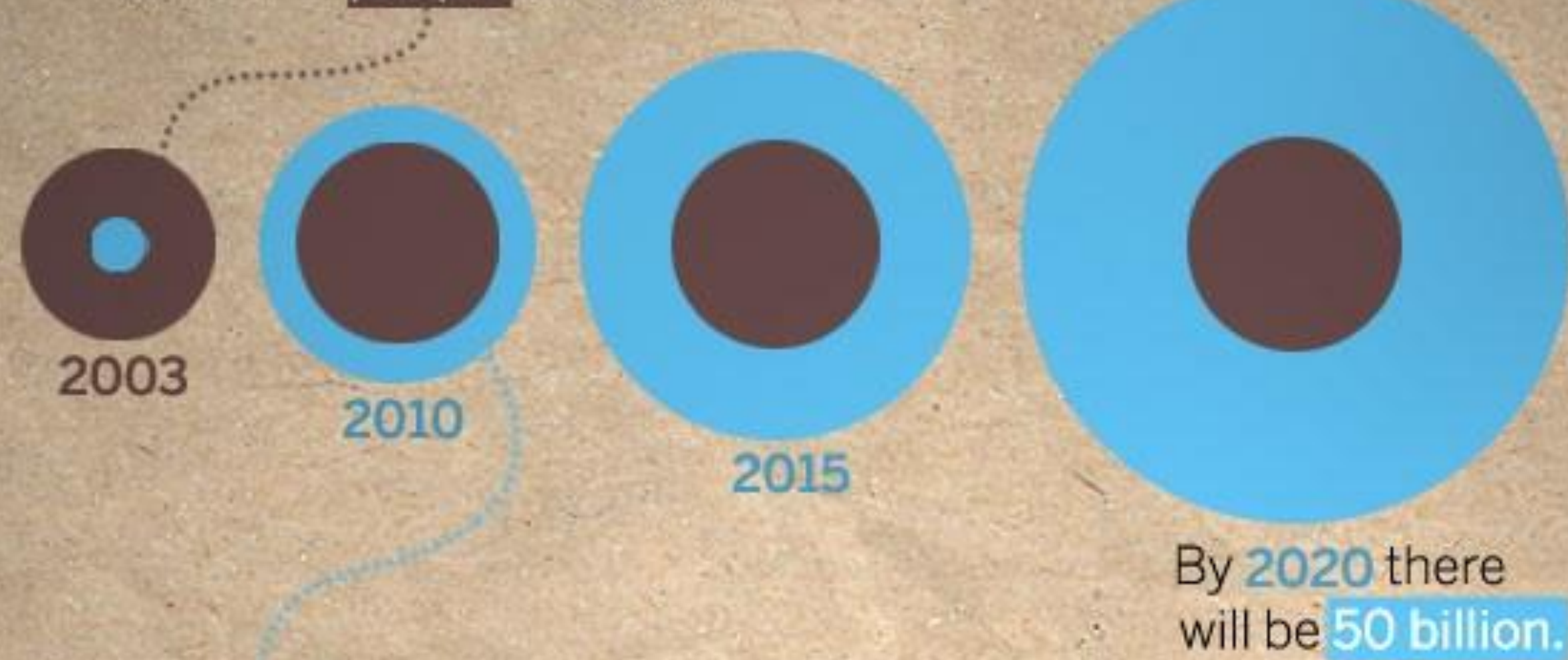


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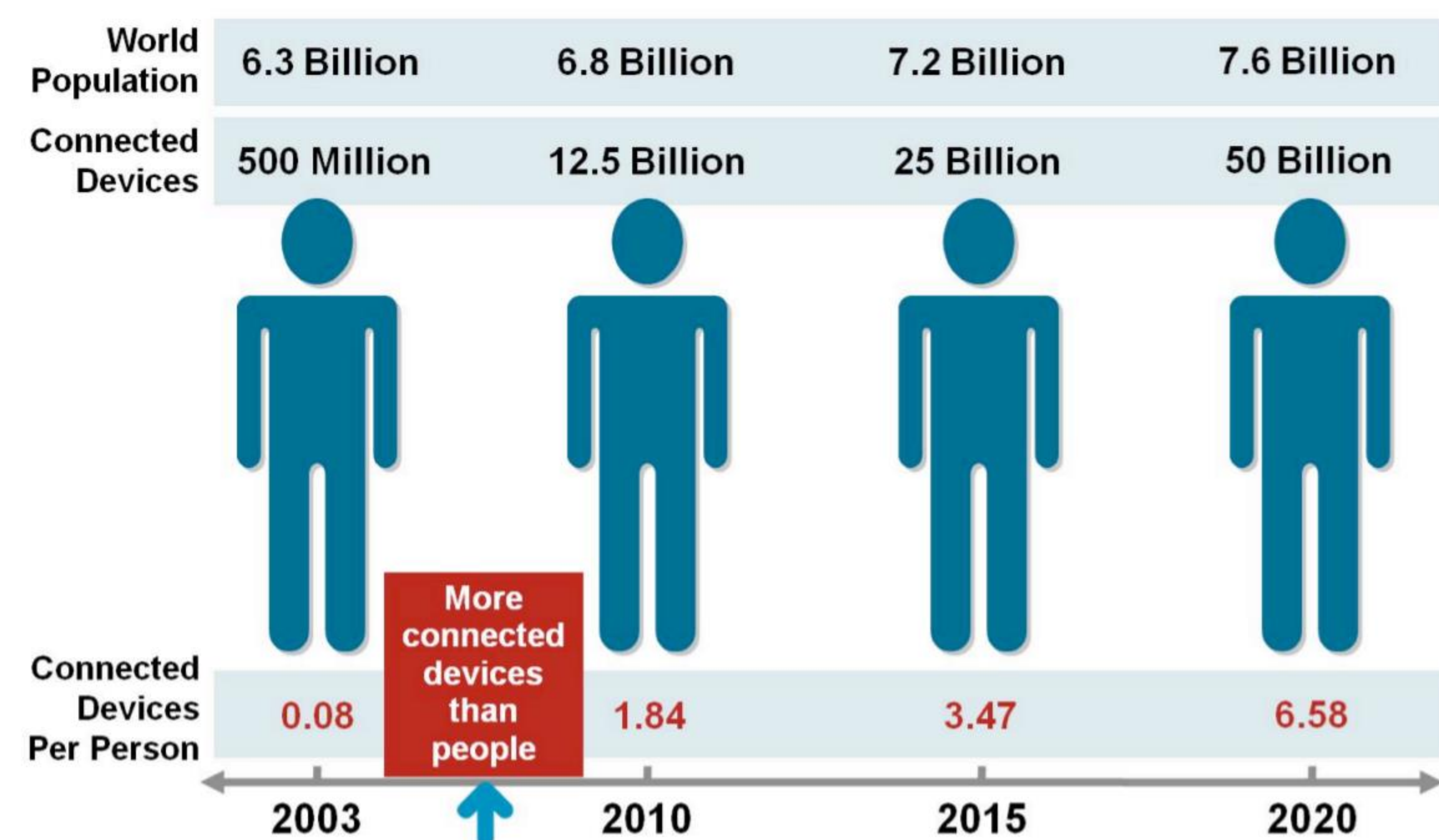
The INTERNET of THINGS



During 2008, the number of things connected to the Internet exceeded the number of people on earth.



These things are not just smartphones and tablets.



The Internet of Things (IoT) is rapidly evolving with inroads into our daily lifestyle, including home, office, automotive, healthcare, energy, agriculture, security, etc.

Healthcare/medical devices present some additional challenges, such as privacy and security; but it is only a matter of time as to when IoT will permeate to the healthcare and medical device market as well.

- Assistive hearing devices can be revolutionized, both technically and scientifically, in countless ways with the adaption of IoT, big data, and smart concepts.
- The CCI-MOBILE platform can leverage the versatility of a smartphone that houses state-of-the-art computing infrastructure, broad-range of sensors, and most importantly internet connectivity with location knowledge.

Geo-location to automatically configure sound processors according to the environment type



Audio sensors in a smartphone and BTE microphones are able to form a synergy and transform into a microphone array system



Smart-rooms could potentially connect and relay memory based room acoustics profiles to an individual's processor, to reconfigure the sound processing parameters for optimal hearing



- There are countless possibilities and opportunities in ways hearing assistive devices can leverage emerging sensors, computing and networking technology to impact a change.
- Sound processors will soon join the emerging IoT ecosystem and re-invent themselves as connected, data-driven, smarter devices, which will hopefully lead to better hearing solutions for the users.