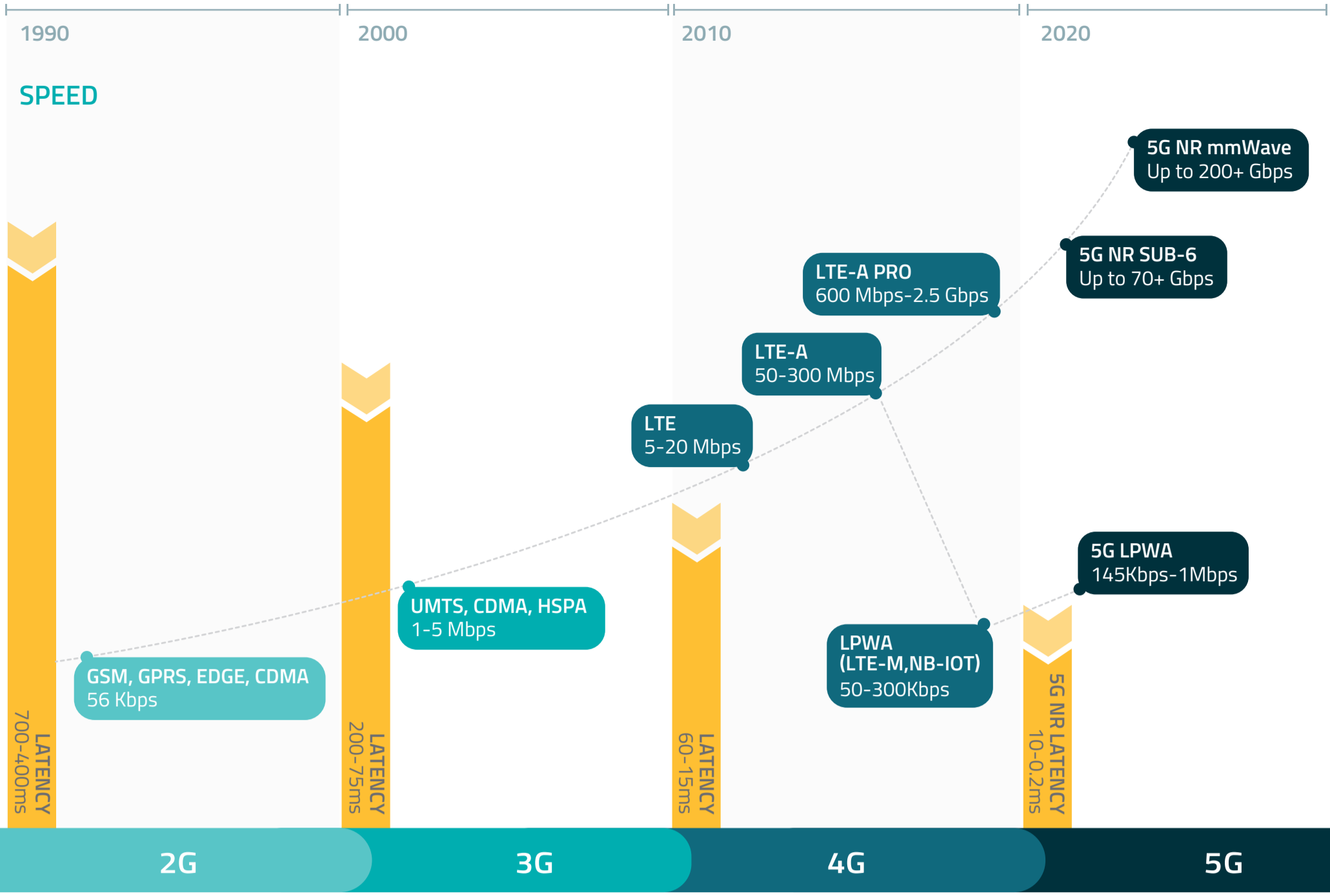


5G Brings evolutionary and disruptive changes in the IoT

THE EVOLUTION TO 5G

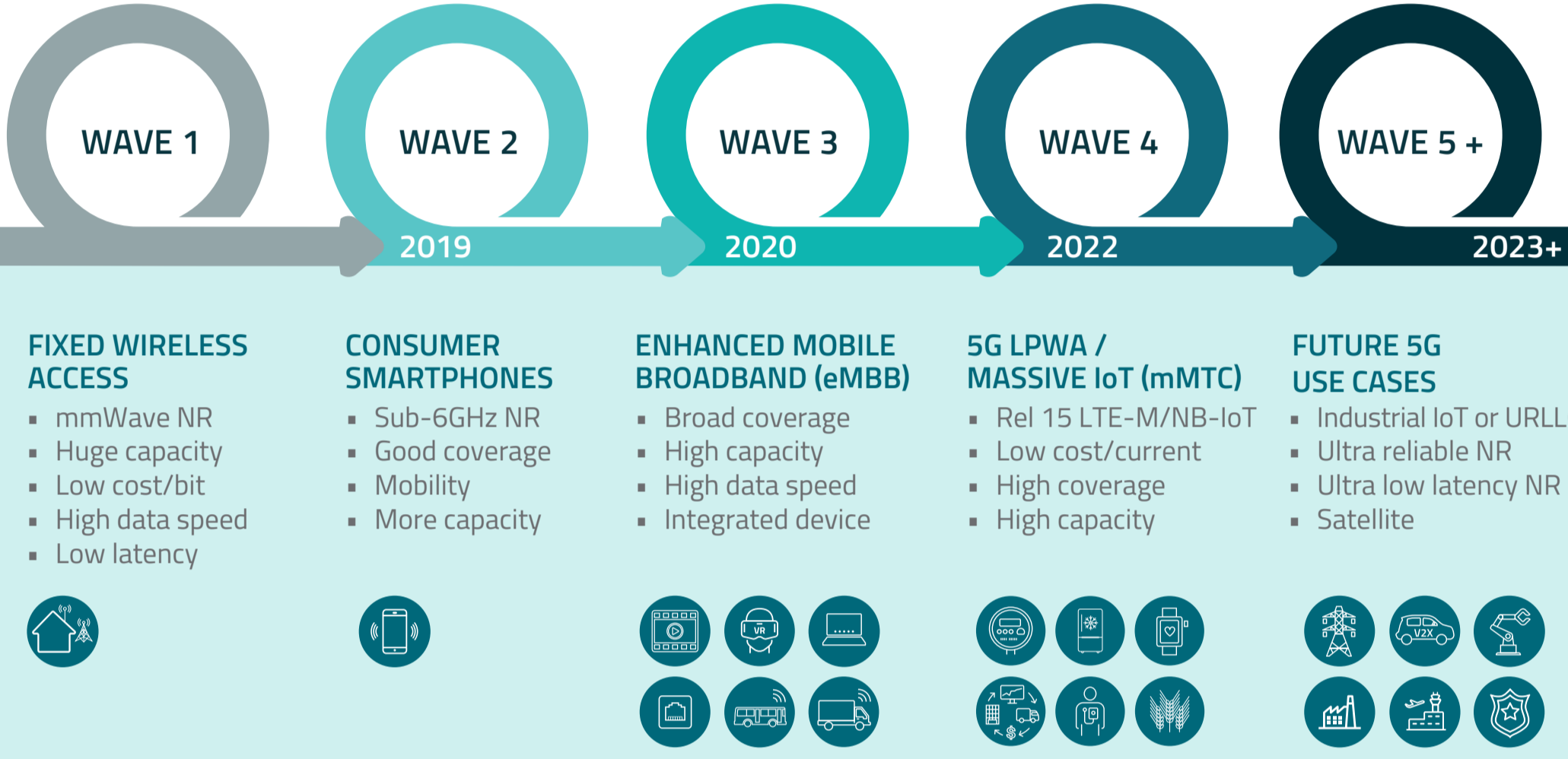


Did you know...

4G 5G 4G Coexistence with 5G will extend the LTE lifecycle even further

5G 5G NR & 5G LPWA continues the 4G track to support high and low bandwidth use cases

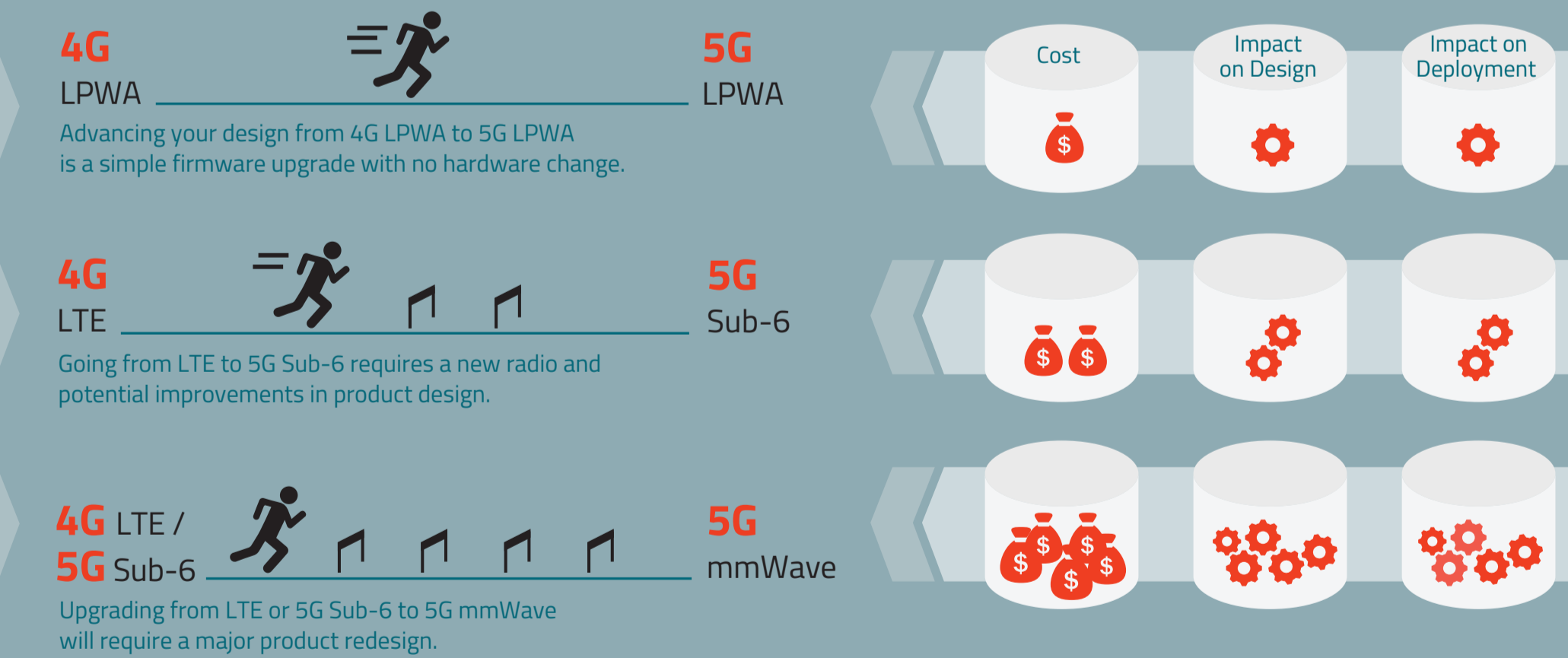
5G is coming in waves and bringing in new use cases...



5G is creating new business opportunities

- LOWER LATENCY**
Enabling real-time applications like AR/VR
- HIGHER CAPACITY**
More devices can be online at once
- HIGHER SPEED**
Data will move faster, easily exceed 5 Gbps
- AGRICULTURE**
Optimize processes, monitor crops, generate real-time data, increase automation
- INSURANCE**
Real-time data reports following accidents and natural disasters, plus enhanced use of telematics
- ENTERTAINMENT**
Faster HD streaming, improved user experience, higher gaming performance
- HEALTHCARE**
Efficient data management, transmit high-res scans, remote robotic surgery, advanced wellness wearable
- TRANSPORTATION**
More control over public and private transportation systems, connected infrastructures, and autonomous vehicles
- MANUFACTURING**
Build smart factories with AI, AR, and robotics
- PUBLIC SAFETY**
Enhance real-time video, secure communications and media sharing
- SUPPLY CHAIN MANAGEMENT**
Expand use of IoT sensors to increase production, streamline processes, and reduce costs

Plan your path to 5G carefully



Things to consider when designing or deploying

- DESIGNING WITH A MODULE**
 - Higher heat
 - Higher power
 - New certification process
 - Special antenna handling
 - Additional security obligations
 - PCI EXPRESS Instead of USB3
- DEPLOYING A ROUTER**
 - Higher heat
 - Higher power
 - Antenna with 4X4 downlink MIMO
 - High-speed Ethernet
 - WI-FI Wi-Fi 6 to match 5G

Security and 5G

As the number of connected devices increases, so will the number of IoT security threats, and working with a trusted partner will become more important than ever. With 20+ years of IoT security experience, Sierra Wireless helps organizations realize a more secure future.