

As Connectivity Grows, So Does Bandwidth Demand

Mobility, Alternative Internet Access, and IoT

There are billions of physical devices around the world connected to the internet by embedded sensors, software, and other technologies that actively exchange varying degrees of data. These things are everywhere. They can be very simple yet important, reporting the battery charge of a life saving defibrillator; more involved, such as keeping track of the groceries in your fridge; pivotal, tracking actively routing delivery services; or even critical, providing early warning of earthquakes.

This huge wide net needs the technology to support its bandwidth, management and security requirements. As society embraces this new way of thinking it makes our lives easier, more secure, and informed. Work with the best providers in the space to find and enact the right solutions for your needs.

**Follow the
Projections,
this is Business
Opportunity**

55%

of all data
will be IoT
by 2025

70%

of Enterprises
will run some
IoT use cases
by 2023

51%

Increase
in Wireless
demand
forecasted by
2025

60%

Deals fail in
the Proof
of Concept
Stage

Tap Into a Full Portfolio of Technology, Mobility and Service Providers

The number of smart devices, including a variety of AI/ML systems, will continue to grow. The change and enrichment they provide will continue to be embraced and demanded by end users. Business, government and, other organizations are increasingly realizing the asset that is data, and will look for ways to manage and maximize this growth. IoT and the required connectivity are both an opportunity and the new reality.

We Can Help You Identify, Develop and Deliver

The Opportunities, Are Everywhere

Retail. Fleet tracking. Public Safety. Utilities and Infrastructure. ATMs. Kiosks. Agricultural Sensors. Autonomous Driving. Commercial augmented Reality. Home Appliances. Healthcare. You are not alone — businesses are looking for solutions, some they may not have even thought of. We are here to help with the strategy, solutions and answers you need. IoT and connectivity are industry agnostic, adopted across industries, in both the public and private sector. A motion sensor set up can serve the military or a fast food restaurant. The need for solutions can appear anywhere along the experience path, from end user to operators to technology designers. What do you want to solve, that's pivotal conversation that leads to ways to satisfy needs and improve the status quo.

The Perceived Challenges

IoT is a big change in mindset, far from the IT departments just 5-years ago. There is so much to consider, but we are also at a time when a multitude of solutions are already available, with the expertise to put them into action using:

Hardware

Device Variability
BYOD
Sensor-Types
Accessories
Sims
Device Retirement
AR/VR

Software/Security

Fragmented Tools
Privacy (e.g. HIPPA)
Area Networks
Device Protection
Automation
Diagnostics
AI/ML

Logistics/Budget

Distribution
Scalability
Geography
Monetization
Staging/Kitting
User Support
Fleet Management

Data/Access

Network/Connectivity
IT
Cloud Integration
Data Pooling
Data Management
Push Upgrades
Temporary Internet

The Journey Begins With a Plan

Solve Problems Strategy: Technology is a means to an end. Nowhere is that more apparent than with IoT and the connectivity required to make it happen. We find the pain points and utilize existing approaches to solve them, or think innovatively to develop new answers!

Develop What's Missing: IoT is all about making our lives better, easier or smarter. We can find ways to get a more complete picture, access data almost instantaneously and anticipate the needs and challenges of the relevant actors for increased responsiveness and effectiveness.

Secure Each Point: Take away the opportunity for ill-willed players to gain access to any point, cluster or array of devices anywhere along the data's journey. This can be done by securing individual points, walling off task areas or other pre-defined security approaches.

Manage the Initiative: At first look, this step can seem daunting—the many sensors, apps and devices that need to be put into the field, communicated with and maintained. But like so many aspect of life the return on investment makes the endeavor worth the effort.

Deploy, Maintain, Repeat: This area has exploded in recent years. On one end of the spectrum, pallets of devices are sent fresh from the factory requiring configuration, testing, and deployment. On the other end, individual devices are shipped ready to use straight out of the box.

Move Forward to The Future, Move Forward with Growth

The motivation to adopt is two fold; a drive to provide something better, easier, quicker or more completely; and the growth it affords — companies that integrate IoT see growth within a matter of months of the integration. IoT is both a big idea and potentially a series of small manageable steps. The technology is well developed, allowing the conversation to focus on what needs to be solved. With tens of thousands of IoT deployments already in the world, there may be one that fits your needs...or you may inspire a whole new line of thinking. Our experienced technology advisors are ready to help you!