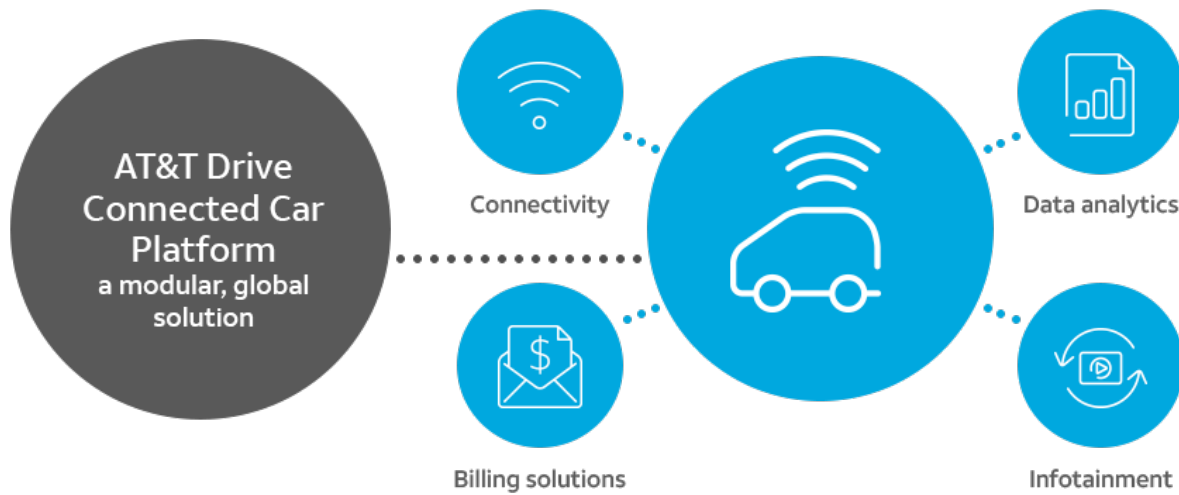


The AT&T Foundry: Connectivity and Automated Vehicles



Positioned at the epicenter of where innovation and technology converge, the AT&T Foundry in Palo Alto, California has experts leading the way. From augmented and virtual reality to Quantum Networking to the future of connected and automated vehicles (CAVs), the AT&T Foundry has its finger on the pulse of what's to come.

The Foundry evaluates new technologies for AT&T and analyzes their applicability within AT&T. This work involves defining new business models and prototyping new ideas in the scope of connectivity management, resource control and 4G/5G mobile broadband network architectures for CAVs, AR/VR, drones and multimedia services.



New vehicle product lines are incorporating advanced sensing, communications, and computing technologies to deliver CAVs today. In parallel, AT&T is undergoing network transformation, namely [AT&T Network 3.0 Indigo](#), through Network-Function-Virtualization (NFV), Software-Defined-Networks (SDN) and edge computing.

This technology shift in the network creates greater flexibility for service deployment and network management, as well as lower latencies and higher performant data rates. Connectivity is an integral piece of automated vehicles, enabling a range of functions that will make automated vehicles safer and more convenient .

The work at the Foundry will continue to develop use cases and business models from the automotive industry. Efforts will address needs ranging from connectivity management to resource control with the help of 4G/5G mobile broadband network architectures. This leading-edge work will help the outstanding mobile network of AT&T stay ahead of the game for customers and vehicles when it comes to connectivity requirements.

