

# Solutions for Smart Mobility



Ness helps companies in the transportation ecosystem design, build and deliver seamless and more convenient smart transit capabilities, and safer, more efficient, and more productive connected automotive solutions.

Transportation models and modes are proliferating to address changing consumer tastes, environmental and safety concerns, and city growth. As consumers become increasingly “connected” themselves, they are similarly expecting more seamless transportation experiences both within and across modes of transportation.

Advancements in network technologies, the Internet of Things (IoT), Big Data & Analytics, and data visualization are fueling a revolution in Smart Mobility. The transportation experience itself can deliver just as much and even more value to consumers than simply getting from Point A to Point B.



## Companies are using Smart Mobility to address business challenges, such as:



How can we apply connected technologies to provide transportation solutions that are more efficient and cost effective?



How can we reduce R&D cycle time and costs to more rapidly respond to consumer demands?



How can we better utilize our transportation assets?



In what ways can we use or enhance the data we collect to improve consumer satisfaction and offer new services?



How can we differentiate our products and services to address consumer interests around safety and convenience?

## The types of solutions Ness enables for clients:

### SMART TRANSIT SOLUTIONS FOR MOBILITY-AS-A-SERVICE

Combining expertise in trip planning, best fare analysis, online booking, automatic fare collection, and account-based ticketing to deliver innovative, seamless transit experiences

### LOCATION INTELLIGENCE & NAVIGATION

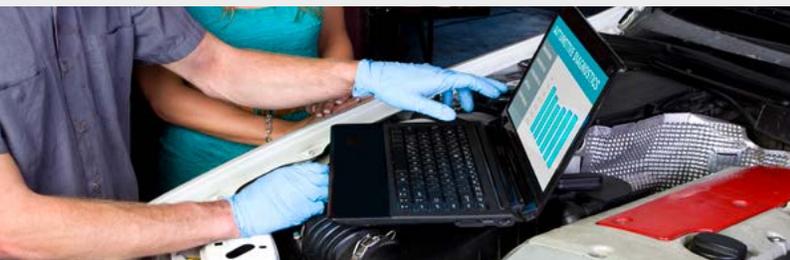
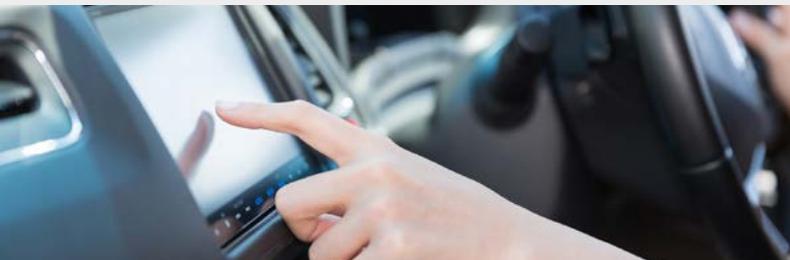
Developing 2D and 3D image rendering, search and intelligent routing, advanced data visualizations, and location data-based products for real-time, precision decision making and navigation

### TELEMETRY & FLEET ANALYSIS

Using remote IoT sensors and data analytics to track vehicles and fleets, optimize utilization and performance of vehicle assets, and facilitate driving best practices

### CONNECTED AUTOMOTIVE SOLUTIONS

Increasing the safety, efficiency and fun of the driving experience through active & passive safety systems, advanced driver assistance systems (ADAS), infotainment solutions, and related location intelligence and telemetry solutions



## Ness work in action:

Ness partnered with a transportation technology vendor to build a digital solution that includes **account-based ticketing, automated fare collection, payment systems, and passenger information solutions** for transit operators around the globe. The solution included an omnichannel booking engine and reporting to **reconcile passenger transactions quickly and accurately.**

Ness collaborated with a client to create a navigation platform for connected cars, resulting in **next generation 2D and 3D mapping solutions and innovative 3D renderings.** This included partnering with the client on **Advanced Driver Assistance Systems and Navigation Data Standards.**

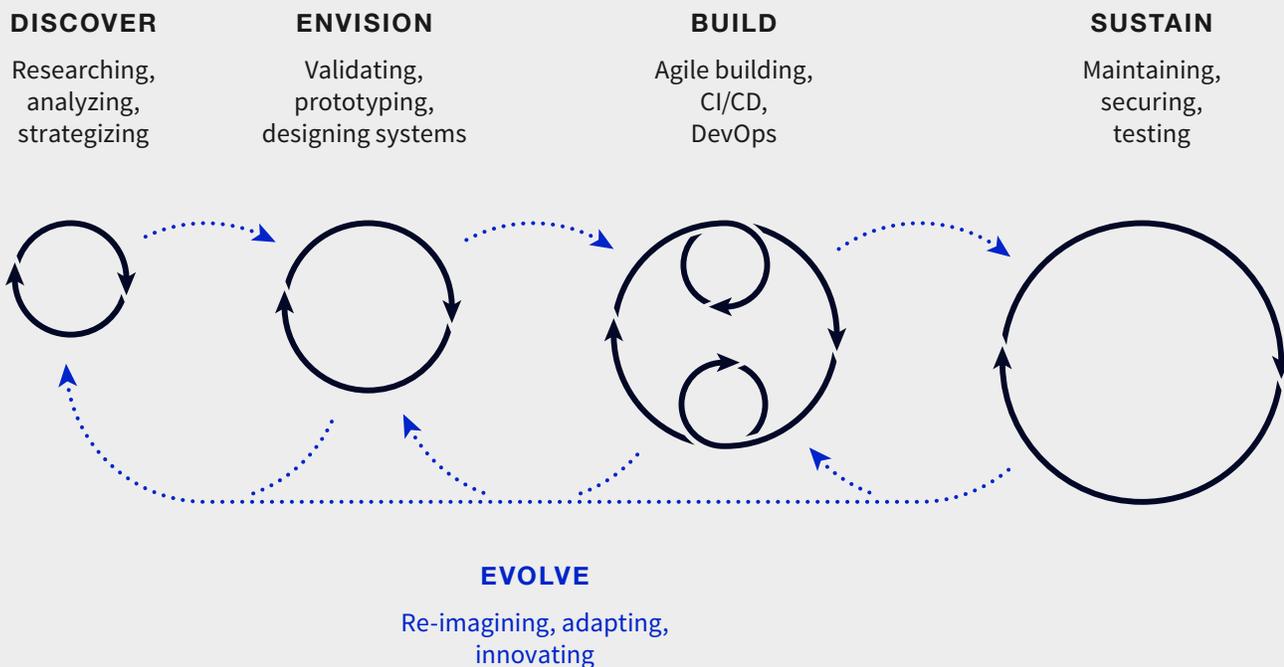
Ness leveraged its Internet of Things, data analytics, cloud, and transportation expertise to deliver a **modern telematics platform** for a client's fleet managers. The solution included a redesigned, field engineer application workflow that **reduced install times** for on-board vehicle monitoring units **from more than an hour to a few minutes.**

## Ness Connected leads to the right solution, faster

### How we ensure successful outcomes for our clients: Ness Connected

Our transformational digital engineering framework seamlessly integrates Experience & Process Design, Platform Engineering, and Data Analytics to bring compelling digital products & services to market.

The framework helps companies define and develop the right digital products & services faster to significantly accelerate time to market, improve customer engagement, and reduce business risk.



Ness  
Digital  
Engineering

For ideas on how your company can achieve its business objectives using digital technologies, contact us: [www.ness.com/contact](http://www.ness.com/contact)

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