

# REVOLUTIONIZING TRANSPORTATION NETWORKS

An effective and efficient transportation network is fundamental for a vibrant society. Especially surface transportation, where over four million miles of roadway in the United States are the lifeblood that keep our economy pumping. For too long, lack of adequate funding for roads and bridges has led to billions of dollars of unmet need, where crumbling infrastructure is undermining our ability to compete in the 21st century. This growing national crisis has created the opportunity for new solutions. We believe that the Internet of Things (IoT) next industrial revolution provides a critical path forward. Through our combined decades of experience we offer the IoT products and services to revolutionize transportation networks.

Just as steam power and electricity were the catalyst for the first industrial revolution that peaked over a hundred years ago, today's emerging technology creates new capabilities that unlock massive potential in surface transportation. IoT technology involves smaller and faster chips that send and receive data over robust networks, creating massive amounts of data that are easy and cheap to store, analyze and deploy. If applied properly, IoT can solve the mounting challenges in surface transportation. Our complex network of roads and bridges carry over three trillion miles of travelers each year. As we witness every day, the slightest anomaly in our roadways leads to unbearable congestion that results in untold lost productivity and wasted resources. IoT can solve congestion through digitizing surface transportation and providing real-time and predictive big data analytics that offer every participant in the system the information necessary to achieve their objectives. We call this information Data Resources™. Our methodology enables our clients to identify and utilize Data Resources to achieve sustainable competitive advantage.

Despite the growing testimony illustrating the value of IoT in surface transportation, we have not seen significant progress in applying this cutting-edge technology. We have identified the main obstacle. Weighing the immense complexity of any IoT solution proves insurmountable resulting in the inability to confidently choose a path forward. Our proven methodology overcomes this obstacle by providing a practical pathway to success. We have defined our unique approach as ASSESS, PLAN, DEPLOY™.

For any transportation network-related need, we "Assess" our client's strategy and their current use of data and information communication technology (ICT) to provide actionable recommendations for the utilization of IoT to address that need. This is how we overcome inaction for our clients. Unlike any other firm in the market, our Team possesses deep and broad interdisciplinary expertise to design an assessment that generates the evidence necessary for our clients to confidently seek to devote more resources to "Plan" toward roadmaps, intelligence, performance and solutions that employ the power of IoT. With the right plan in place, our clients recognize what to "Deploy" and we ensure that investments in code, testing integration and enhancements are completed on-time and on-budget to deliver practical and workable IoT services and products that deliver measurable improvements.

Our comprehensive approach simplifies the process so that the value of IoT next industrial revolution can be harnessed for any organization seeking to improve their performance and utilization of the transportation network in a cost-effective and sustainable manner.