



Smart Cities

Technology Roadmap



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1. Introduction

Cities and communities are deeply immersed in the assessment and planning of Smart Cities projects, as transformative applications and solutions are impacting the market. The pathway from powerful Smart Cities *projects* to comprehensive Smart Cities *plans* is a significant leap, given the diverse set of needs, applications, and solutions that are shaping each city's vision. The ATIS Technology Roadmap is focused on the key technological developments that will enhance the long-term planning for Smart Cities. It is targeted to the Smart Cities' planners, technology advisors, and key decision-makers who are faced with developing comprehensive long-term visions for their municipalities and citizens.

The role of technology is best calibrated by those who ultimately deploy and operate the technological solutions. This is especially true in the case of Smart Cities, as municipal planners are faced with the challenge of smart technology alternatives that must intersect with the unique needs of cities, neighborhoods, and citizen population. In an effort to provide this valuable planning resource, ATIS has undertaken extensive discussions with city leaders, solution providers, and manufacturers who are selling to this market, all of whom are heavily invested in the evolving Smart Cities environment. This included discussions with municipal CTO and CIO resources, and other technical decision-makers, who will ultimately gain value from this Report.

One of the key learnings is the perception that technology is just one part of a much broader ecosystem connecting local government needs with citizen-centric value. This is