

Uncover Barriers and Opportunities for Developing Smart Cities

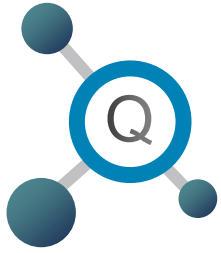


October 14-16, 2014 • Chicago, Illinois

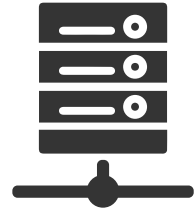
*In a recent survey of key municipal executives in North America on the **readiness of cities to undertake smart city initiatives**:*



- *The officials surveyed indicated smart city initiatives are underway in their cities, but so far, most cities are in the planning stages.*
- *By far, the biggest inhibitor in smart city initiatives is funding, as cities are challenged to find the appropriate funds for both short- and long-term projects.*
- *The respondents also indicated there were internal organizational challenges, such as the lack of cross-departmental coordination and alignment. In addition, many cities do not have a champion to lead the effort.*



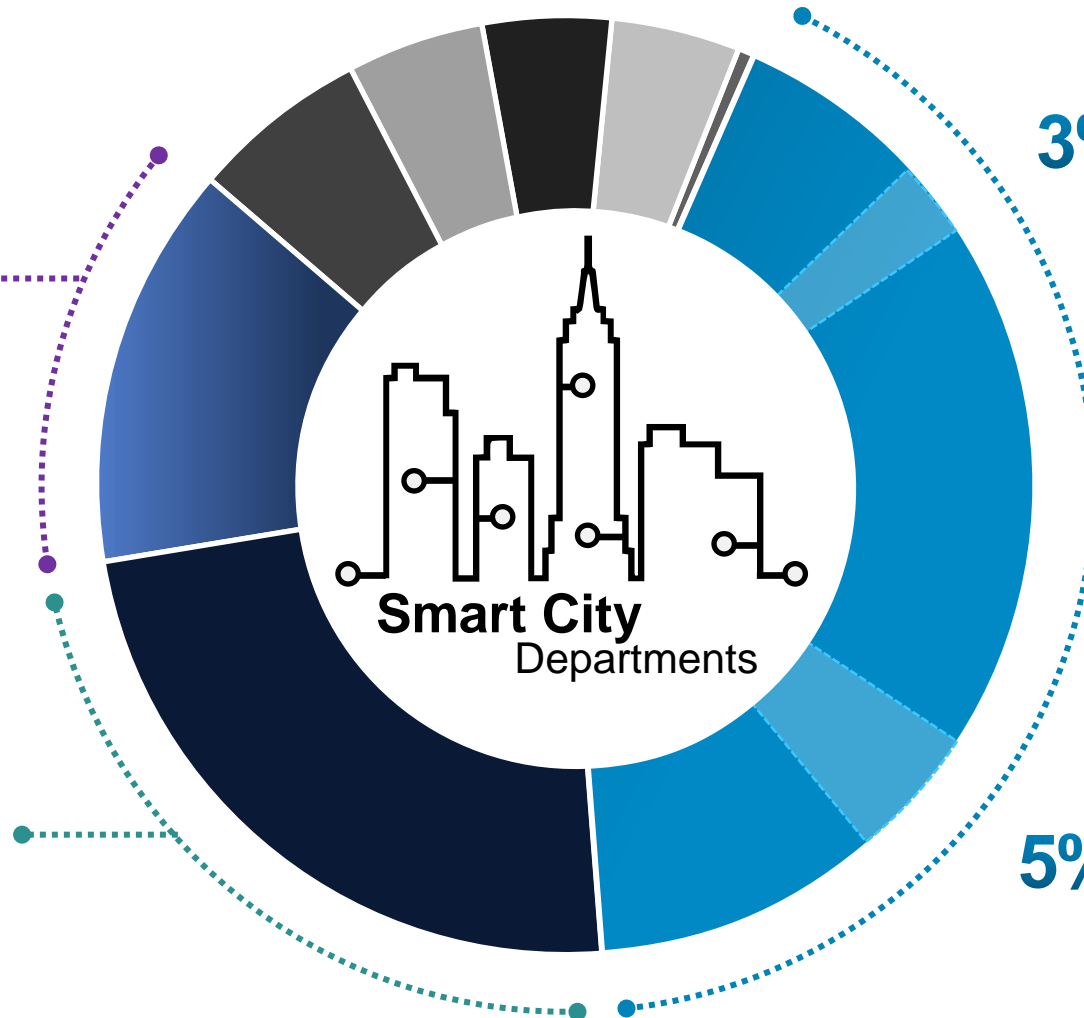
Which department do you represent in the smart city initiatives for your Organization?



14.8%
Information
Technology



25.4%
Mayor's Office
or City Admin



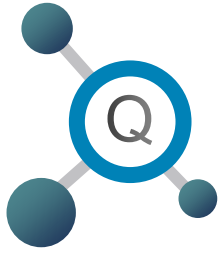
3% | Planning and
Development



37.7%
Other

5% | Community
Development





What are the top 3 needs and opportunities driving Smart City development in your city?



Improving City Infrastructure:
Energy, Water and
Transportation Systems

ONE



Enhancing the Cities' Global
Attractiveness to Business and for
Economic Development

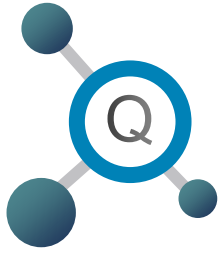
TWO



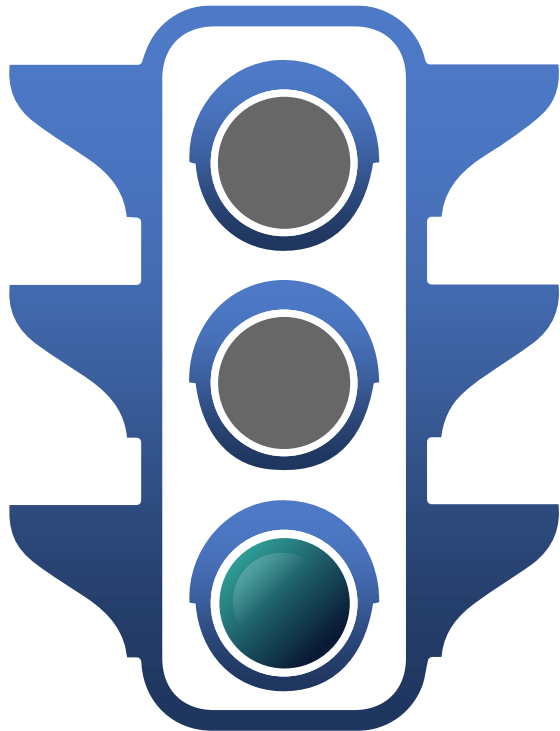
Creating a More Attractive City and
Improving the Quality of Life

THREE



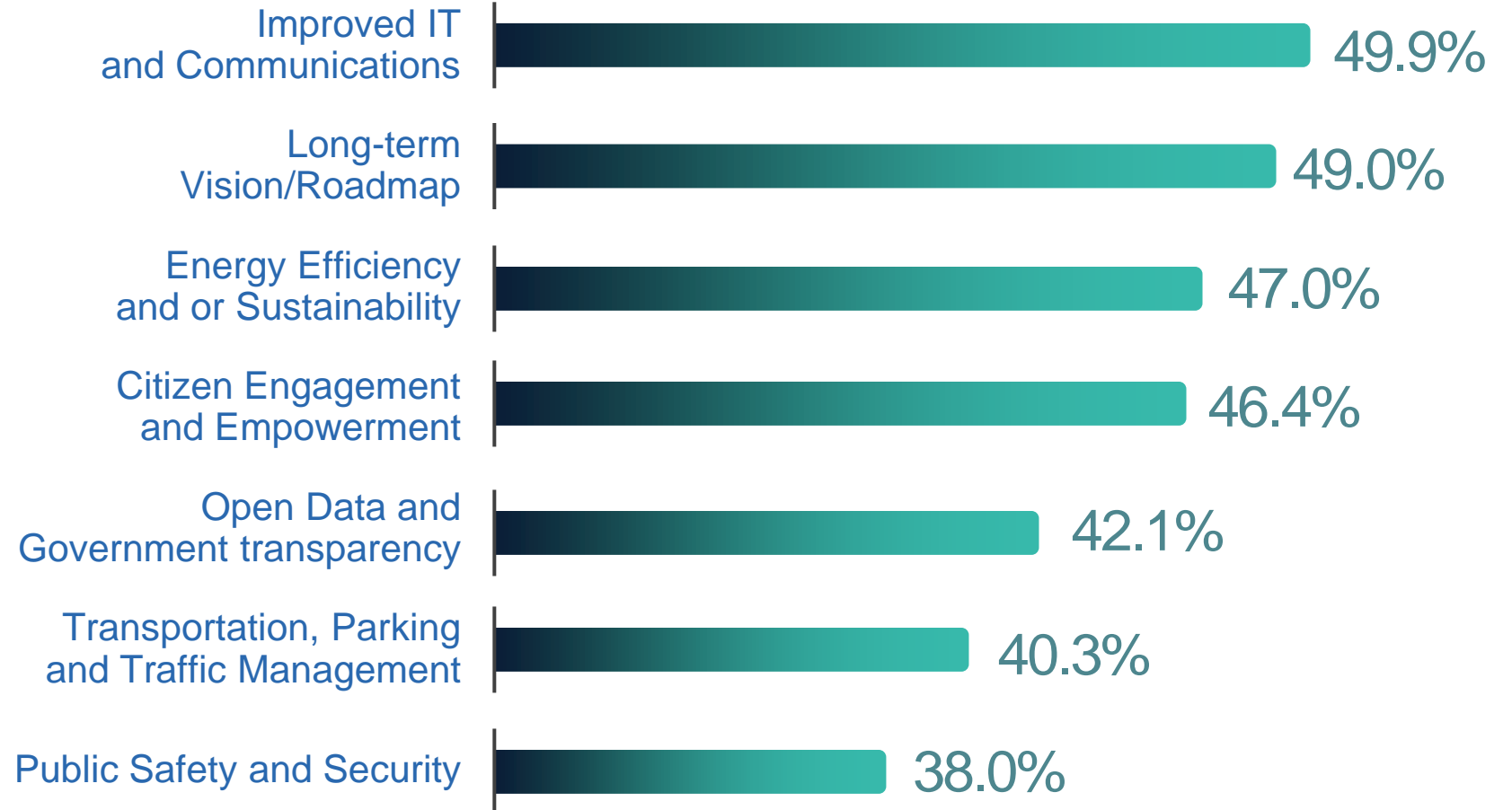


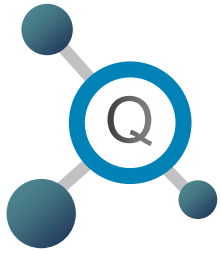
Which area(s) of Smart City transformation have you begun?



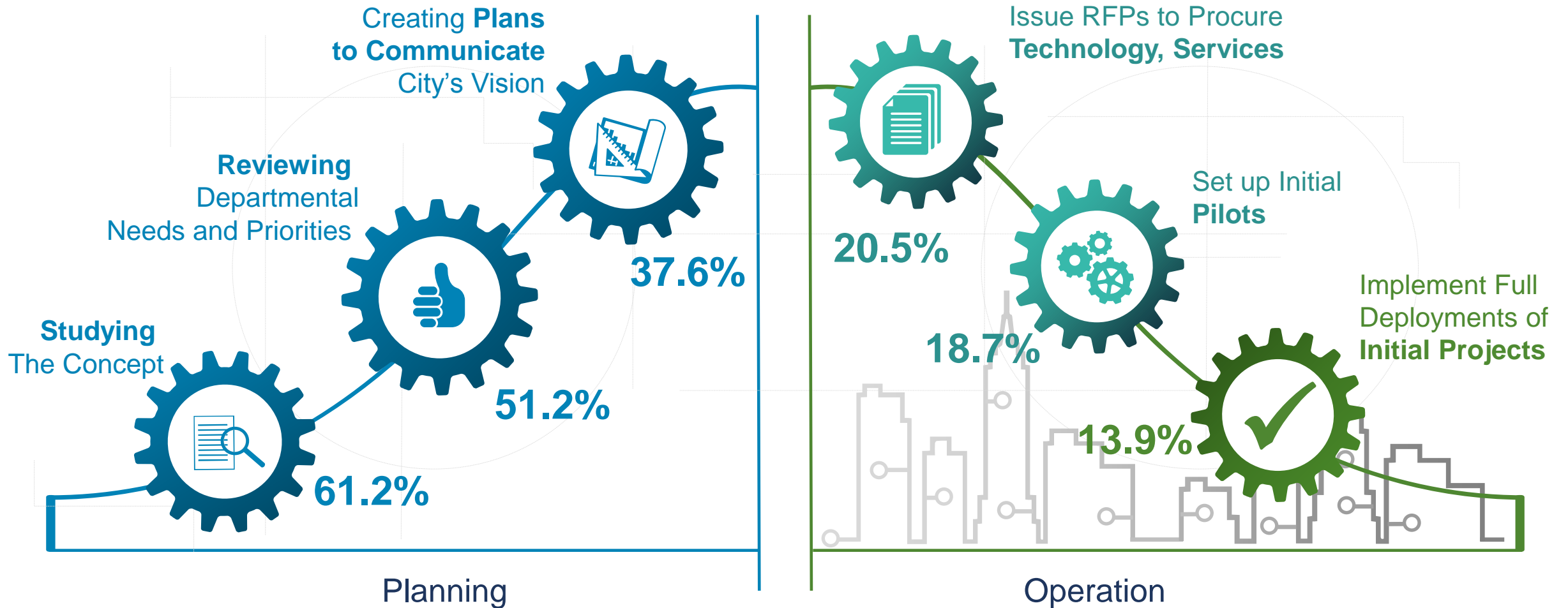
Many efforts have been initiated,

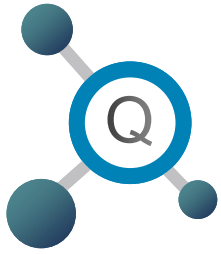
Top Efforts Are:





What steps have you taken already?





What are the three top external barriers that hinder progress of the Smart City Initiative?

26.2%

Inability to Align Funding
for a Project up Front



22.1%

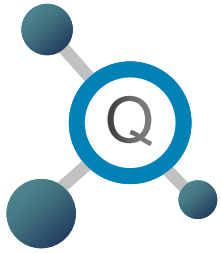
Community Not
Engaged or at the
Same Readiness



17.1%

Lack of Clarity
of the Benefits





What are the top three internal barriers that hinder progress of the Smart City Initiative?

Lack of a Committed
Champion/Visionary Leader

\$ Lack of Funding

35.4%

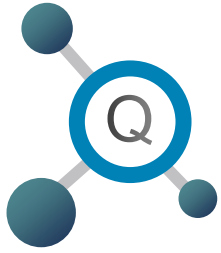
17.9%

Departmental Silos and
Lack of Coordination



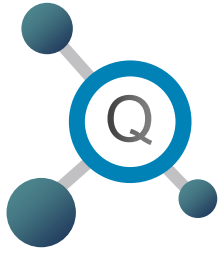
Lack of Alignment
on Priorities

35.4%

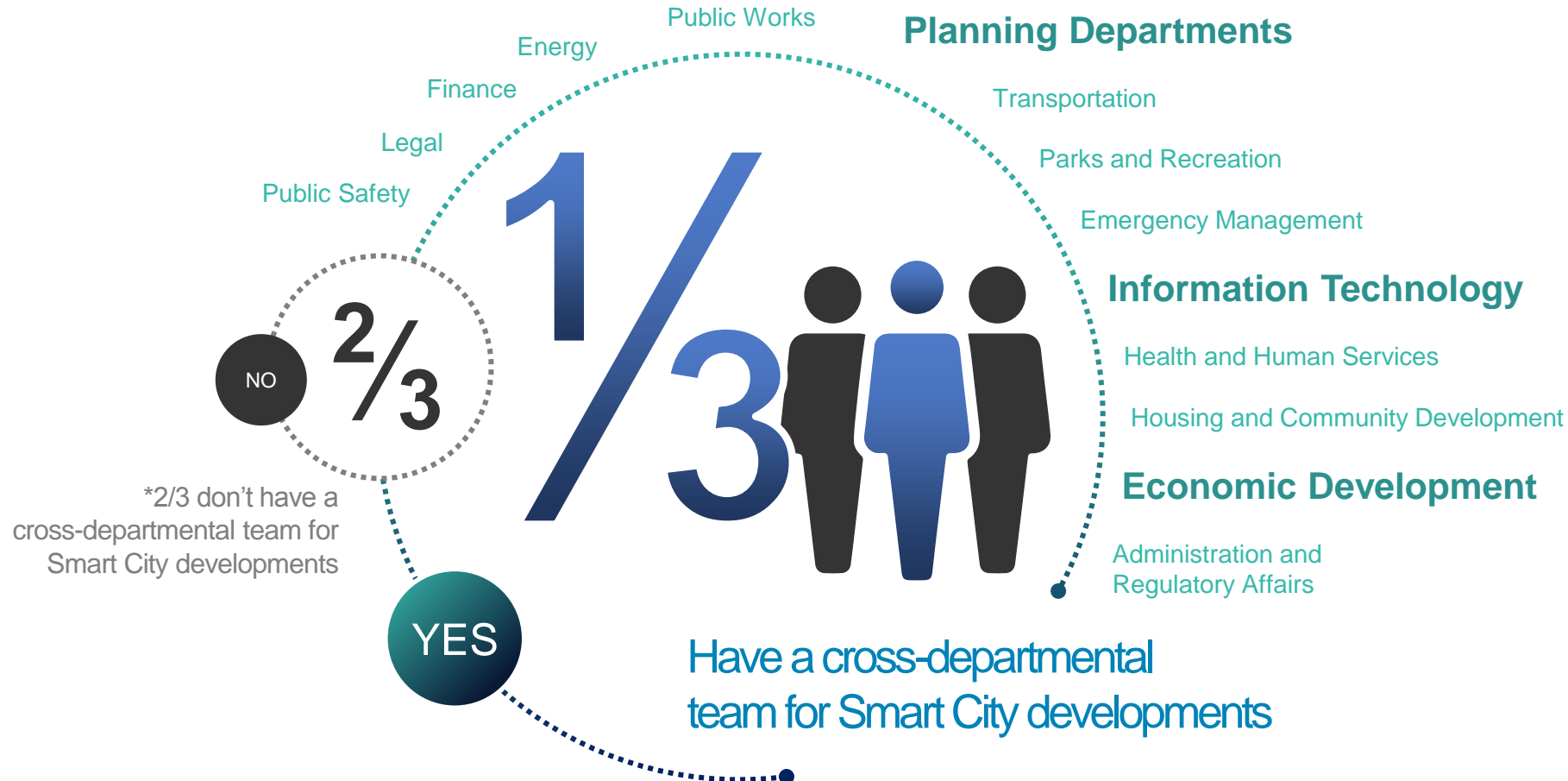


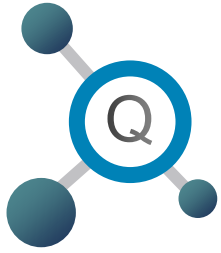
What 1 item would help accelerate your Smart City implementation?





Do you have cross-departmental teams to address Smart City initiatives? Which departments participate?



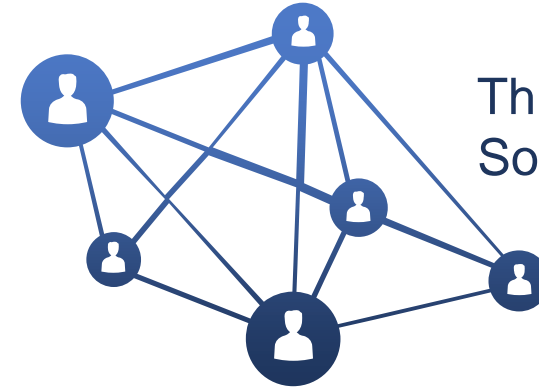


What top 3 methods do you use most effectively to engage citizens?

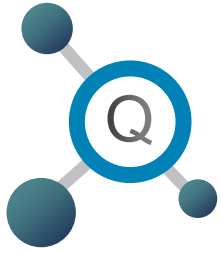
Through Public Hearings and Town Hall Meetings



Through Planning Meetings with Stakeholders



Through Social Media

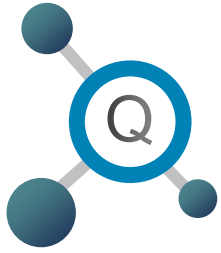


What policies and standards need to be in place to protect citizen and corporate data?

Ranking Top Security Concerns

Percent of Security, Data Sharing Policies in Place

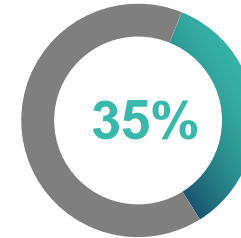




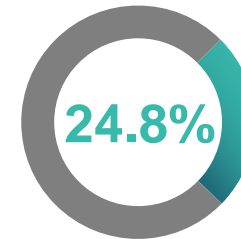
What is your biggest funding challenge?



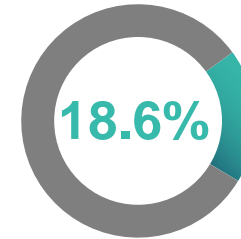
*The need to fund ongoing, **day-to-day operations consumes 99.9% of our available funding.** Without new funding sources and new, dedicated staff, we can't seriously consider long-term sustainability initiatives.*



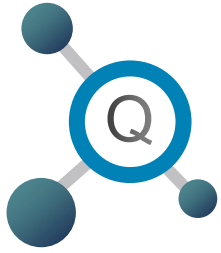
Ease of Securing Funding to **Cover the Total Costs** of the Project



Correctly Estimating the Cost and ROI for the Projects

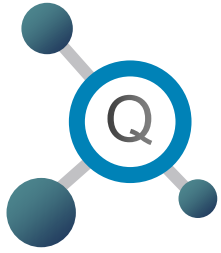


Securing Funding Options That **Match the Duration Needs of the Project** (Short/Long Term)



What types of funding are you using/planning for your smart project?





Did you prepare a business plan for upcoming or current Smart City Investment?

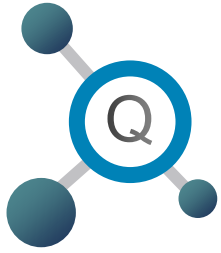


NO

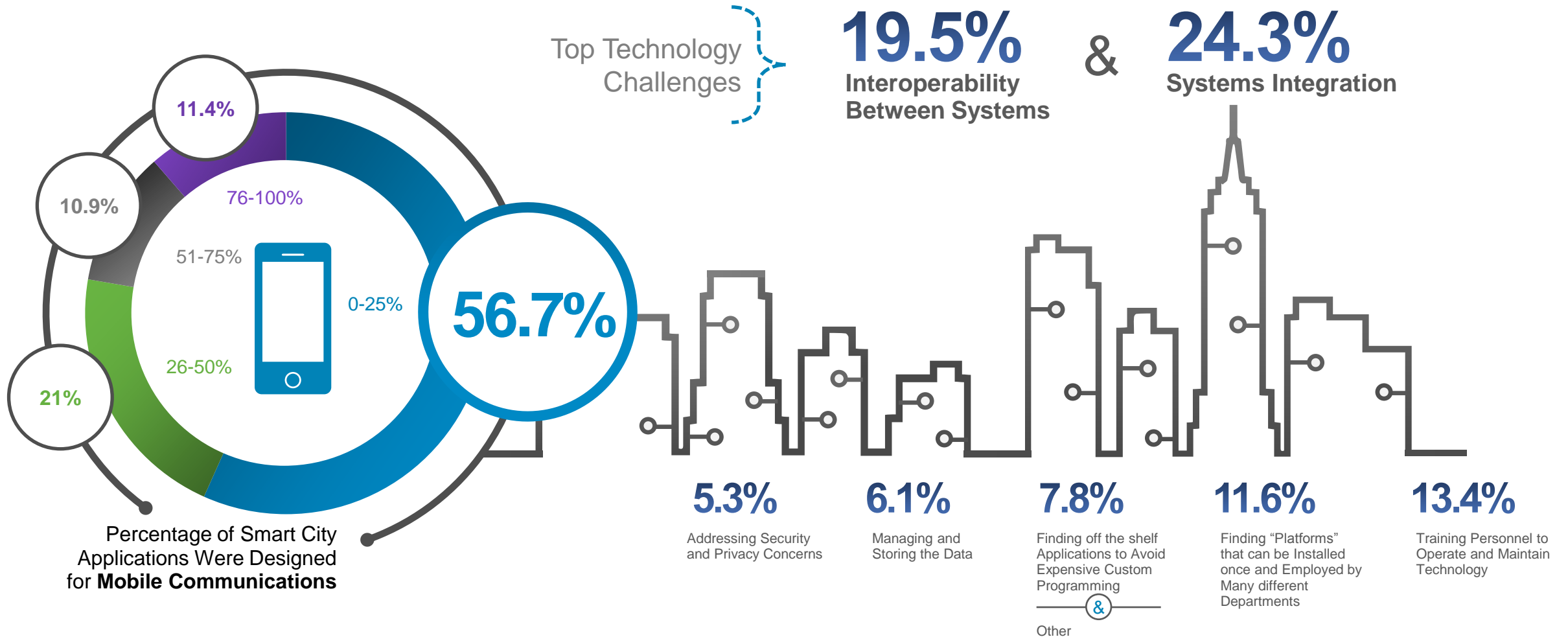
68%

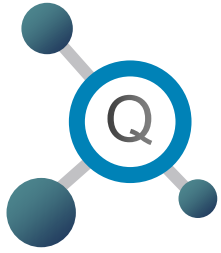
Respondents
Answered "No."

76.3% were not able to
forecast results with
ROI and metrics.

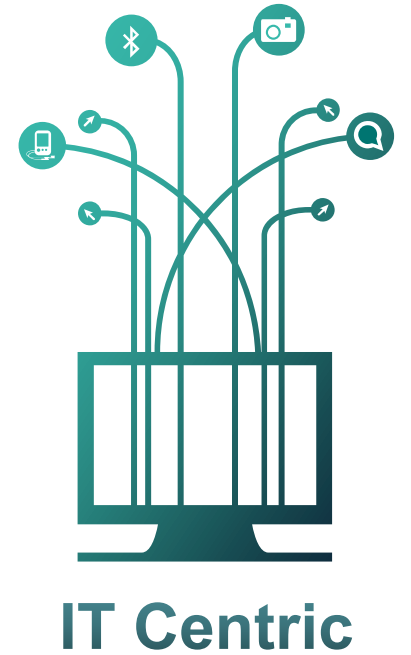
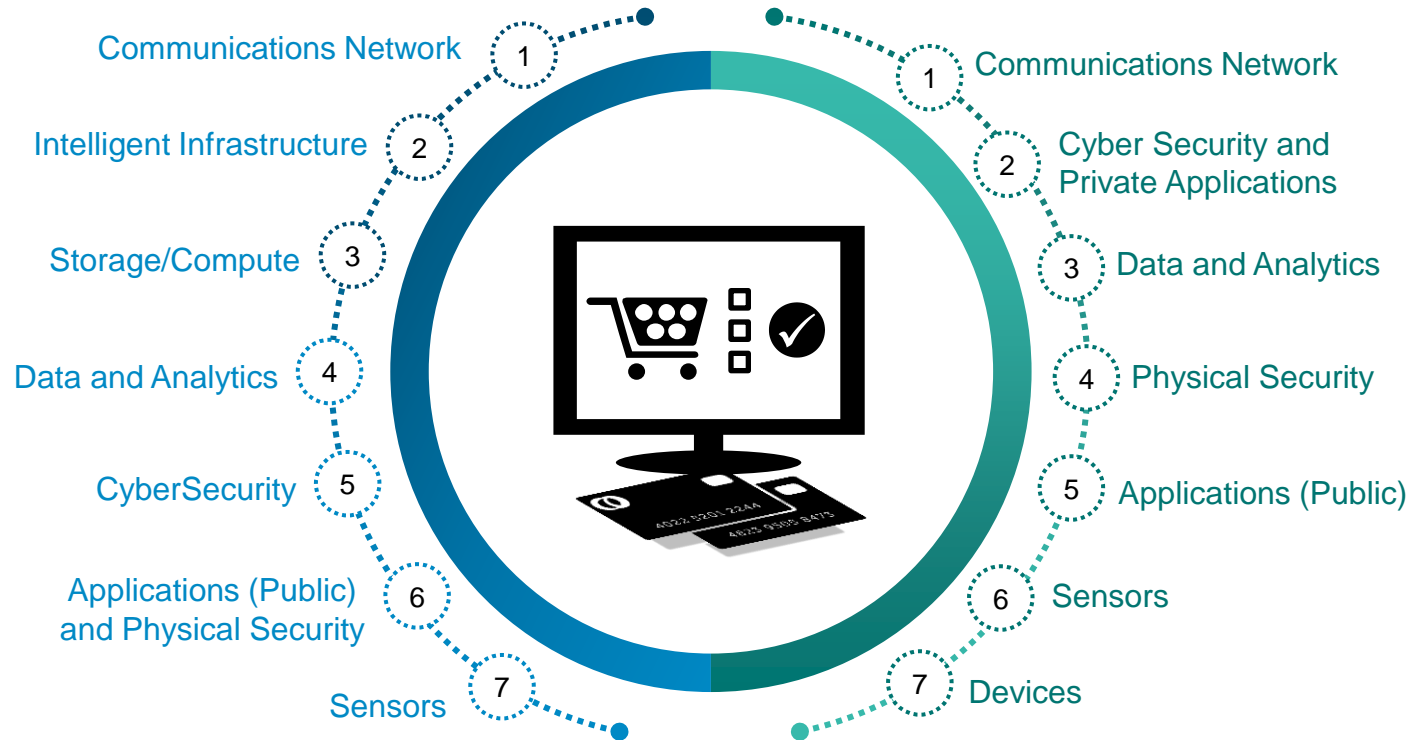


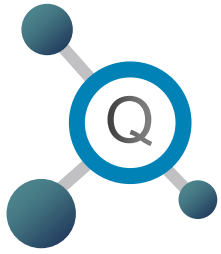
What are your Biggest challenge regarding deployment of new Technology?





Technology Purchase Priorities





Accelerating the Smart City Journey ('10 How-to Tips')



Find a Visionary Leader

2



Move beyond Planning

3



Begin Pilots that
Prove Value

4



Understand the Costs
and Benefits

5



Explore Available
Funding Options

6



Improve Internal Support

7



Explore Technology
Options

8



Start Mobilizing
Technology

9



Learn from Peers

10



Find the Right
Partners