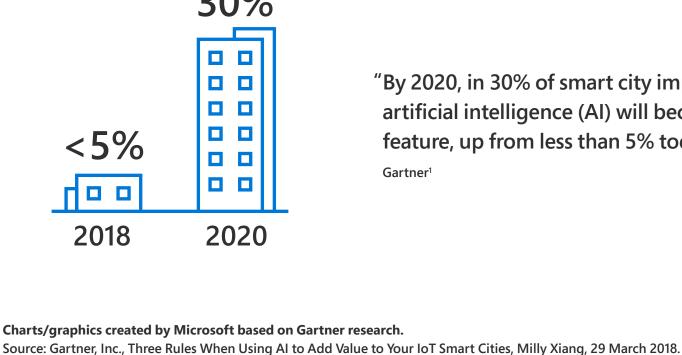
Streamlined business processes. Citizens better connected to their government. 30%

Reduced costs.

the smart city by transforming every aspect of city government. But where do you start? The choices are overwhelming.

Together, Al and IoT can fulfill the promise of

Microsoft



feature, up from less than 5% today." Gartner¹

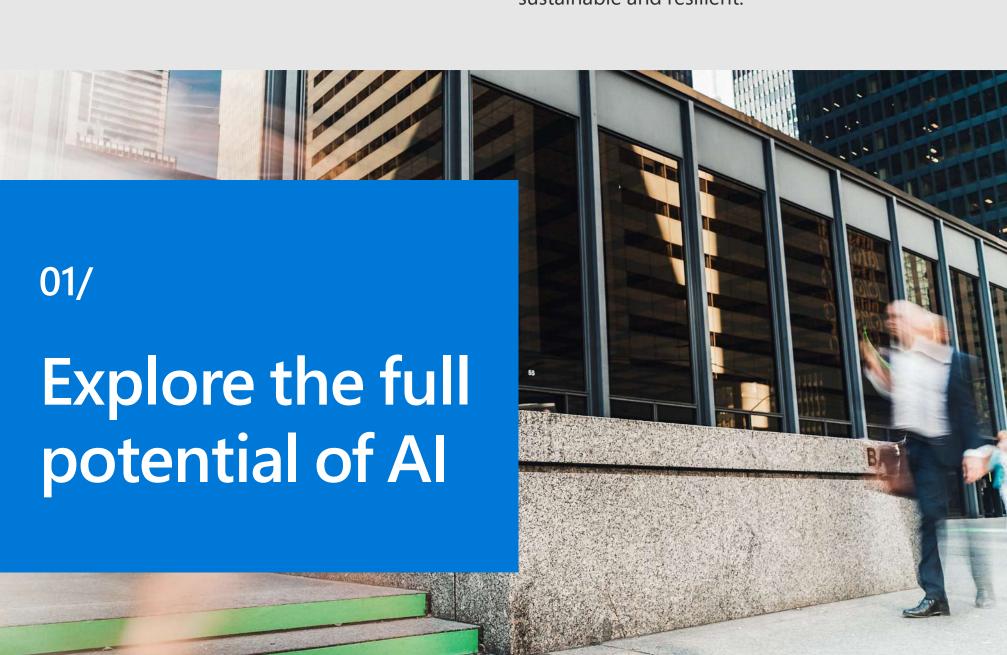
"By 2020, in 30% of smart city implementations,

artificial intelligence (AI) will become a critical

What is a smart city?

communication technologies to improve the performance of urban services like energy, water, public safety and transportation, making cities safer, healthier, and more sustainable and resilient.

A smart city uses information and



business value and social impact.

Look for new ways

for AI to create

Manage AI implementations across

Solve city challenges by driving

From optimizing operations to protecting

the environment, AI can be the new solution

IoT productivity solutions

to old problems.

organizational boundaries A network of sensors intended to improve the flow of traffic could also reduce crime and

help ambulances get to emergencies faster.



Traffic optimization

Adaptive traffic lights ease

congestion at choke points.



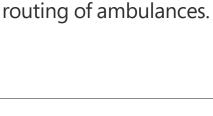
for the next several years.2

Crime prevention

License plate recognition

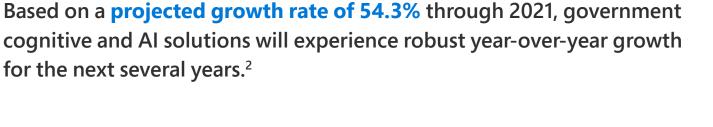
technologies help to find

stolen cars.

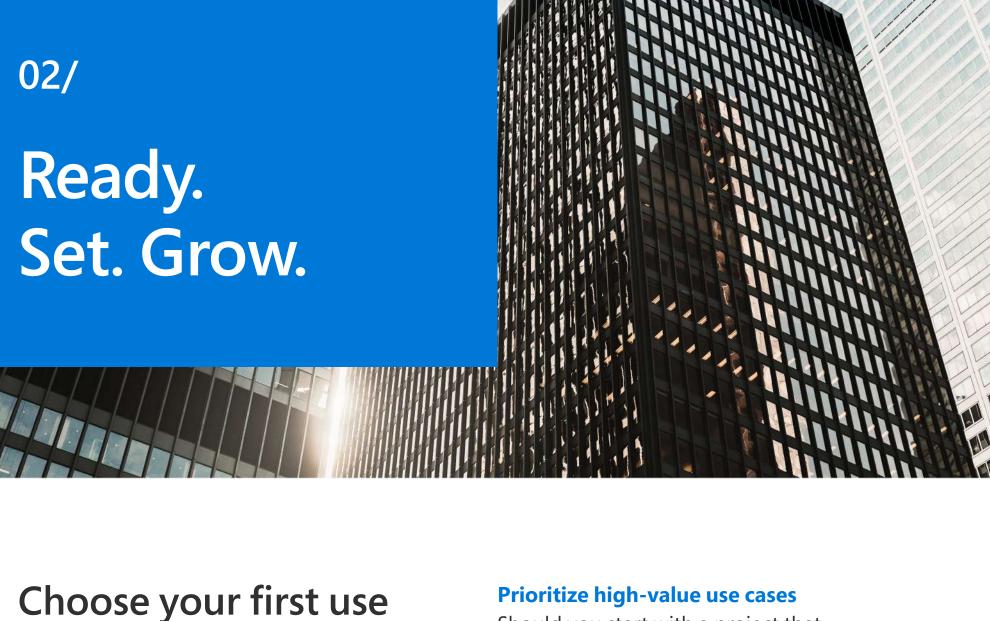


Emergency response

Real-time data improves







Top-priority use cases for AI and IoT deployment **Public safety** Remote citizen alert **Environment**

case carefully. Then

to new areas and

technologies.

extend your solution

Should you start with a project that

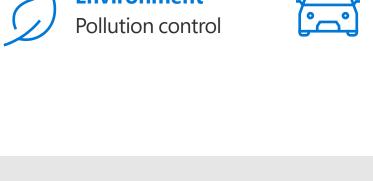
streamlines internal processes or one

The answer: place the highest priority

on initiatives that accomplish both.

that improves the lives of your citizens?

Infrastructure Health Adaptive street lighting Disease management



Gartner¹



in exploring and adopting Al.

Transportation

Parking management

members indicates that, among 35% of the

respondents, "identifying use cases for AI"

was [ranked among] the top three challenges



101010

Language

processing



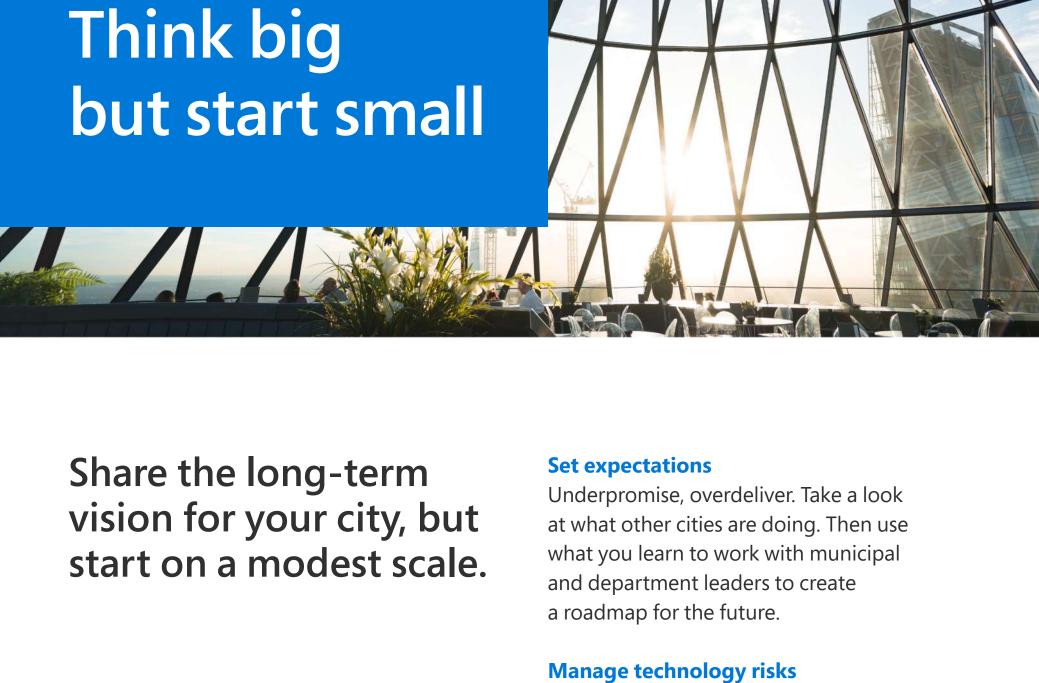
03/

Computer vision Start with the most promising Al technologies As you build your team's expertise, focus on AI technologies like deep learning, natural language processing, and computer vision.

Deep

learning

Researchers working with the University of Texas at Austin are using predictive modeling and machine learning to anticipate potentially destructive flooding so emergency management agencies have enough time to take action.3



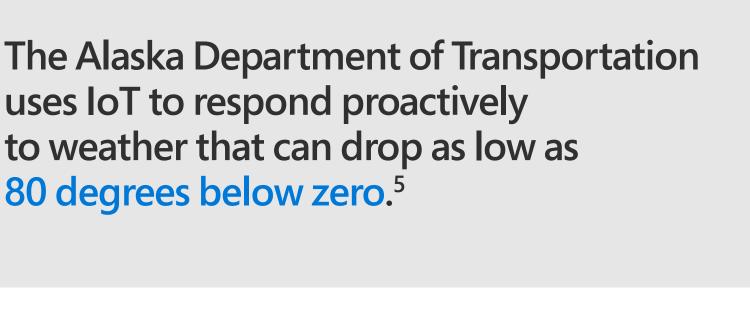
Some AI technologies are immature.

To avoid committing to a technology that

that can provide business value quickly.

might be rendered obsolete, select a project

percent of business executives are optimistic about Al's potential to increase efficiencies with automated communications and alerts.4





Microsoft

to Your IoT Smart Cities.

assets/pwc-botme-booklet.pdf [PDF]

Learn more about how smart cities can

Three Rules When Using AI to Add Value

use AI and IoT in this Gartner report,



Microsoft makes no warranties, express or implied, with respect to the information presented here. 1 Gartner, "Three Rules When Using AI to Add Value to Your IoT Smart Cities," Milly Xiang, 29 March 2018. 2 IDC, "U.S. Government Cognitive and Artificial Intelligence Forecast, 2018–2021: Federal and State and Local Should See Moderate Growth," Doc #US43612118, March 2018. https://www.idc.com/getdoc.jsp?containerId=US43612118 3 "Preventing flood disasters with Cortana Intelligence Suite," Microsoft Research Blog, 5 May 2016. https://www.microsoft.com/en-us/research/blog/preventing-flood-disasters-with-cortana-intelligence-suite-2/ 4 "Bot.Me: How artificial intelligence is pushing man and machine closer together," PwC Consumer Intelligence Series,

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5 "How Alaska outsmarts Mother Nature in the cloud," Microsoft Corporation, 9 March 2018.

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