Thoughts on AI and Smart Cities

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(Smart) Cities



How many IoT devices worldwide?

- 2020 Gartner: 20.4 billion
- 2020 Cisco: 26.3 billion
- 2020 IHS Markit: 30.7 billion
- 2021 Juniper: 46 billion
- 2022 Ericsson: 29 billion
- 2025 IHS Markit: 75.4 billion



Sources:

Ericsson: Nov 2016 Mobility Report ; Gartner: 2017 Press Release; IHS Markit: Whitepaper, March 2016; Juniper: 2016 Press Release; Cisco: VNI Forecast



Global Trend of Urbanization

Proportion of Global Population in Urban Areas Since 1960, Projections to 2050





The Growth of Digital Assistants/Voice Interfaces



Consumer Technology Association

Most Investment In AI Is In R&D

\$26 billion McKinsey estimates that tech giants spent on artificial intelligence in 2016.

90% Estimate % of total internal spending allocated to research & development.*

What Are They Developing?





* Source: Artificial Intelligence The Next Digital Frontier? McKinsey & Company, June 2017

Leading Sectors Of AI Adoption



Current AI Adoption

(% of firms adopting one or more AI technology at scale)



Source: Artificial Intelligence The Next Digital Frontier? McKinsey & Company, June 2017

CTA.tech



Barriers To Smart Cities Growth





"Project Proposal"

• Build In Resiliency

- What happens when power is lost?
- What happens when connectivity is lost?

