DELL Technologies

Defining the Digital Future of our Cities

Edge and IoT, data analytics, and computer vision give cities an edge on a digital future.

Cities have long been centers of connection and possibility.

Dell Technologies Edge/IoT solutions help make them hubs of innovation in an ever-growing, ever-connected world.

Cities Keep Growing

2050
75% of people will live in cities[1] = 7.5 billion

2015
3 million people move to cities every week[2]

2010
50% of people live in cities[1]

2007
City residents form the majority of the global population for the first time in history

1950
30% of people live in cities[1] = 740 million

[1] International Organization for Migration 2015 World Migration Report
[2] UN Habitat study, 2009

Edge and IoT Make Cities Safer

VIDEO SURVEILLANCE

CROWD DETECTION

VEHICLE TRACKING

FACIAL RECOGNITION

40%
Percentage of all IoT data produced is video surveillance data

42%
CAGR of enterprise surveillance data 2016-2021

157 Million
Surveillance cameras shipped in 2018

Emerging Technologies Build the Cities of Tomorrow

PREDICTIVE POLICING AND REAL-TIME CRIME MAPPING

30-300
Lives saved each year in a city of 5 million

30-40%
Fewer crimes

PUBLIC SAFETY
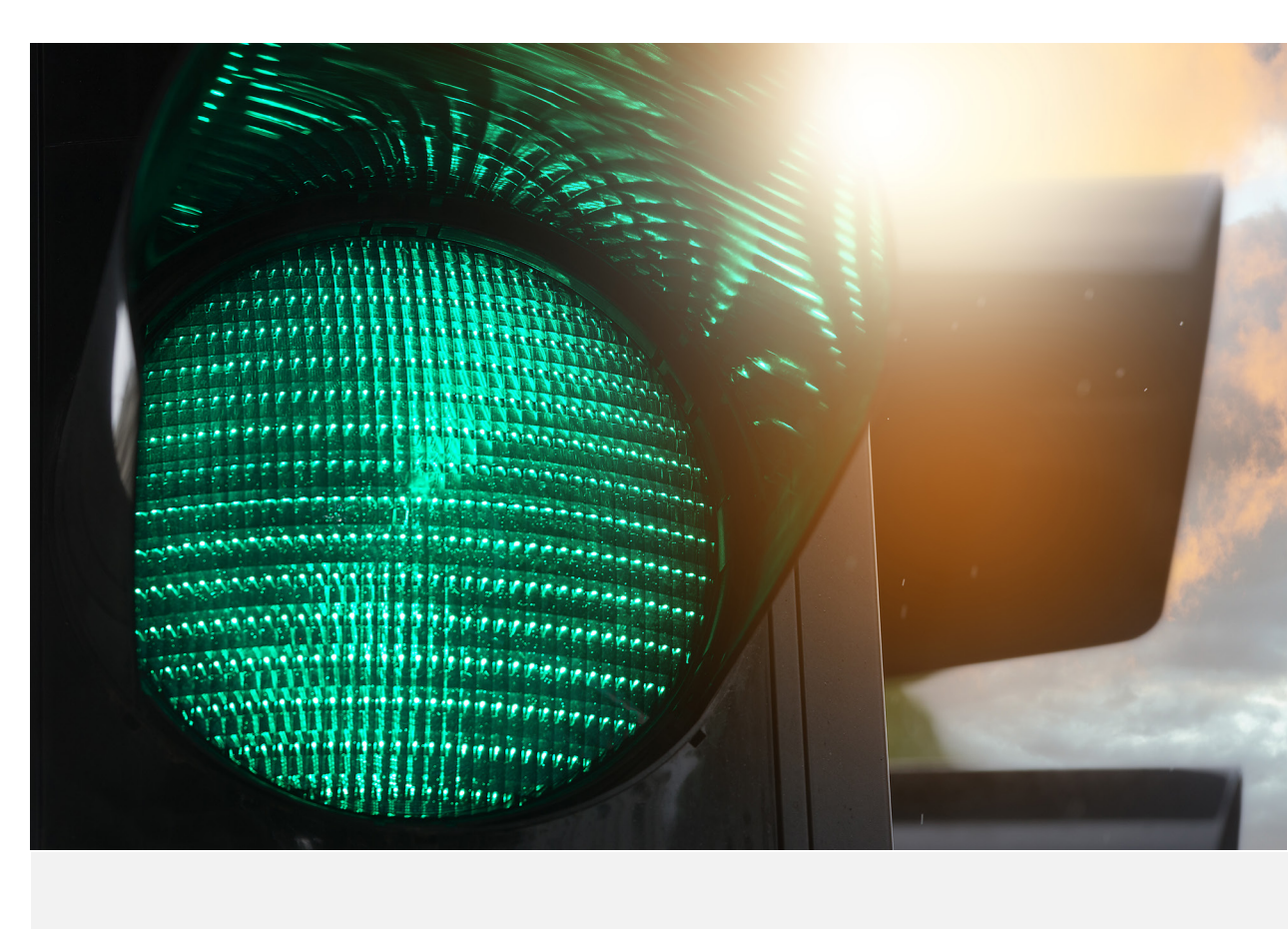Cameras linked to reduced crime, even beyond their coverage areas.

Urban Institute research, Chicago/Baltimore

PUBLIC HEALTH
8-15%
Lower disease burden

TRAFFIC AND PARKING
15-30
Minutes shaved off daily commutes

EMERGENCY SERVICES
25-30%
Faster emergency response times via optimized dispatching and synchronized traffic lights

ENVIRONMENT
10-15%
Greenhouse gas emissions cut

WATER SAVINGS
6-21
Gallons per person/day

SANITATION
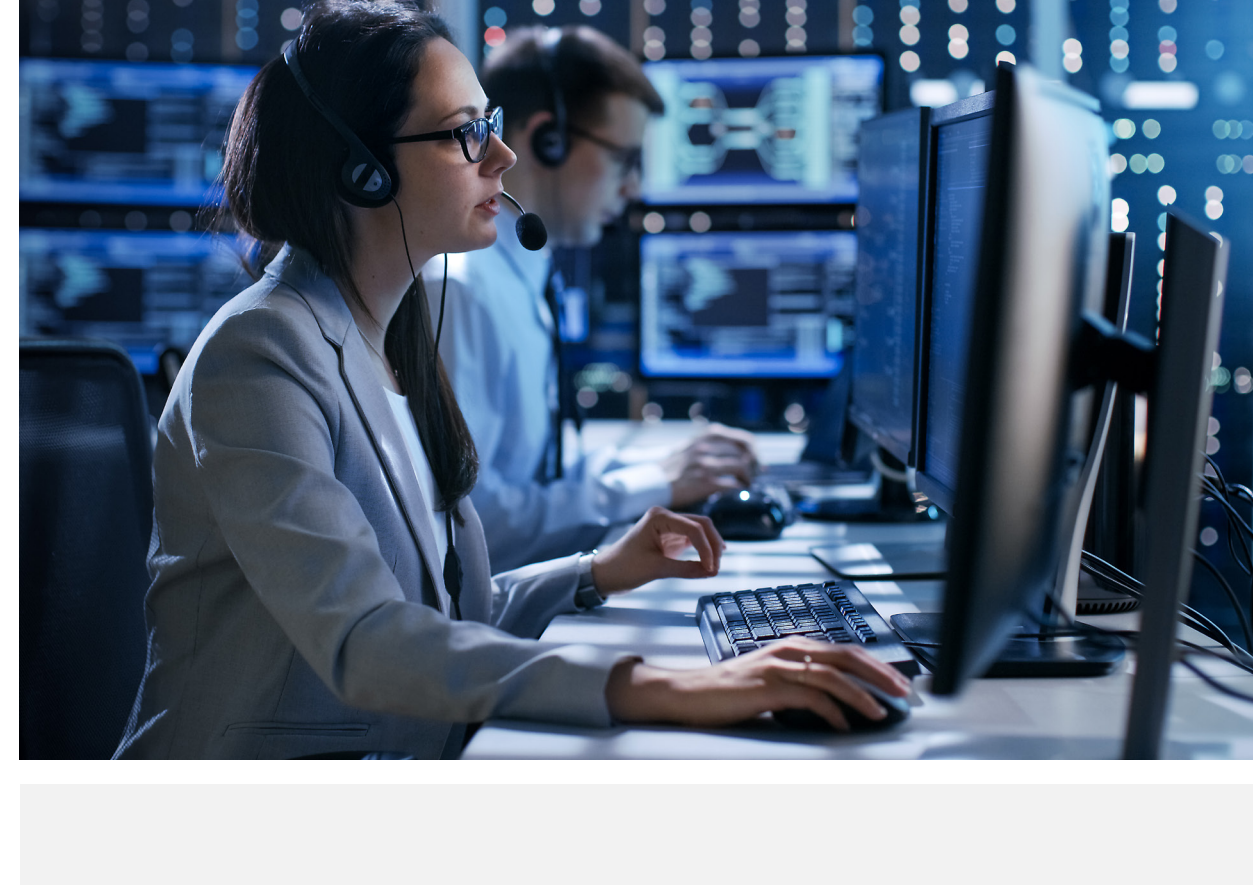Sensors dispatch low or high-capacity collection trucks

SMART METERS
Detect load measurements and strategically divert or reduce power for max efficiency

COMPUTER VISION
See relevant information to improve customer experience, product inventory, and quality.

SURVEILLANCE
Monitor events in the physical world and automate decision-making.

CONSUMER EXPERIENCE
Proactively monitor inventory and maintain quality

Dell Technologies is Helping Create More Efficient, Responsive & Sustainable Cities

Visit **delltechnologies.com/IoT** to learn more.

DELL Technologies   (intel)