

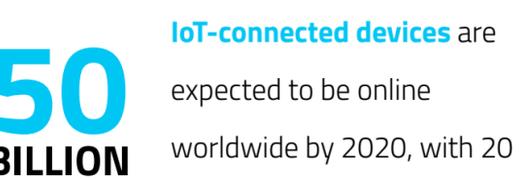
6 TECHNOLOGIES OF SMART CITIES

Artificial intelligence (AI) and the Internet of Things (IoT) have enabled innovations that make infrastructure and servicing the well-being of city dwellers much smarter. The market for smart city technology is estimated to reach \$775 billion in 2021, and 66% of North American cities have already invested. What can we expect from a smart city? One thing is certain: IT workers will play vital roles managing these technologies and providing service assurance for an always-on society.



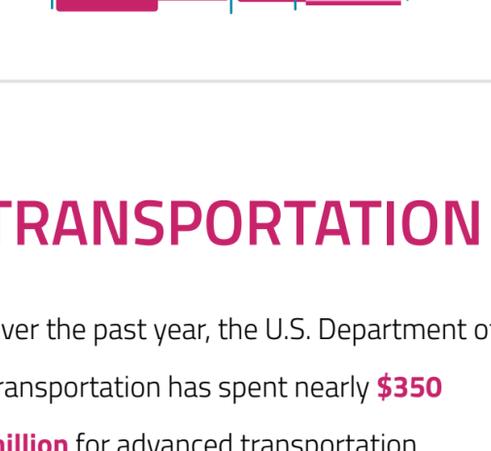
RENEWABLE ENERGY

Connected energy systems can **reduce total energy usage by 25%**.



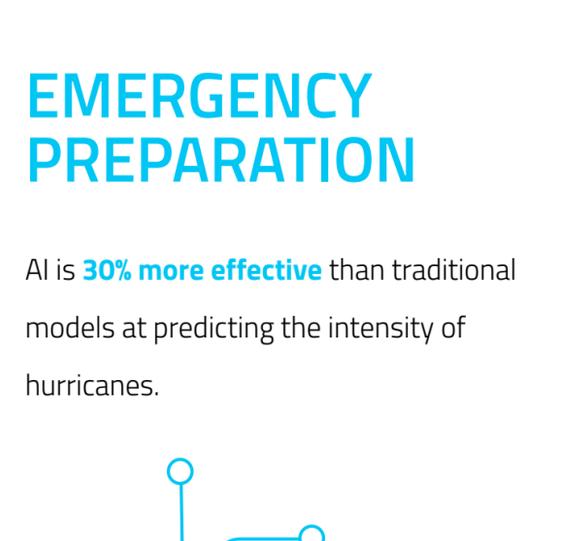
URBAN CONNECTIVITY

50 BILLION IoT-connected devices are expected to be online worldwide by 2020, with 20 billion connected in cities.



TRANSPORTATION

Over the past year, the U.S. Department of Transportation has spent nearly **\$350 million** for advanced transportation technologies like electric car shares and dynamic, programmable street markings.



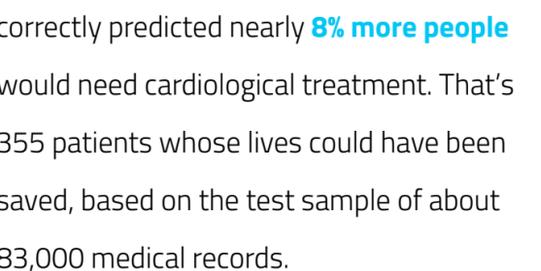
EMERGENCY PREPARATION

AI is **30% more effective** than traditional models at predicting the intensity of hurricanes.



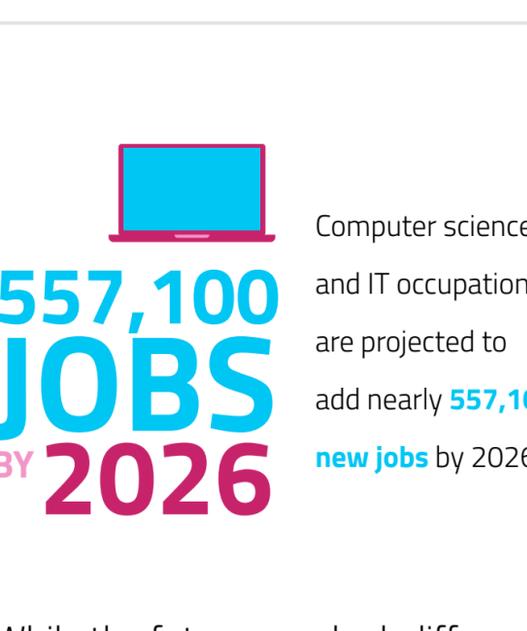
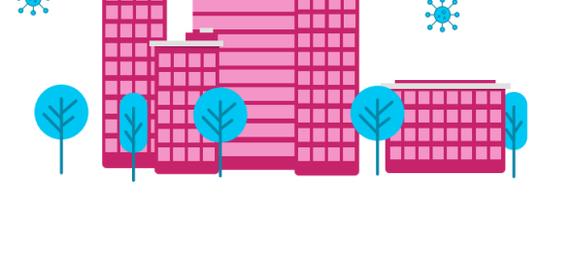
FOOD SECURITY

70% more food will be needed globally in 2050 than in 2006 to feed a blooming population. IoT-connected sensors can increase yields, such as forecasting potential crop spoilage.



PUBLIC HEALTH

Neural networks working with health data correctly predicted nearly **8% more people** would need cardiological treatment. That's 355 patients whose lives could have been saved, based on the test sample of about 83,000 medical records.



557,100 JOBS BY 2026

Computer science and IT occupations are projected to add nearly **557,100 new jobs** by 2026.

While the future may look different, one thing we know for sure is that IT workers will play a vital role in the development of a smarter future.

SOURCES

National League of Cities | BCC Research | eniday | The Best Schools | Science Magazine | Business Insider | DATAFLOQ | Transportation.gov | Cisco