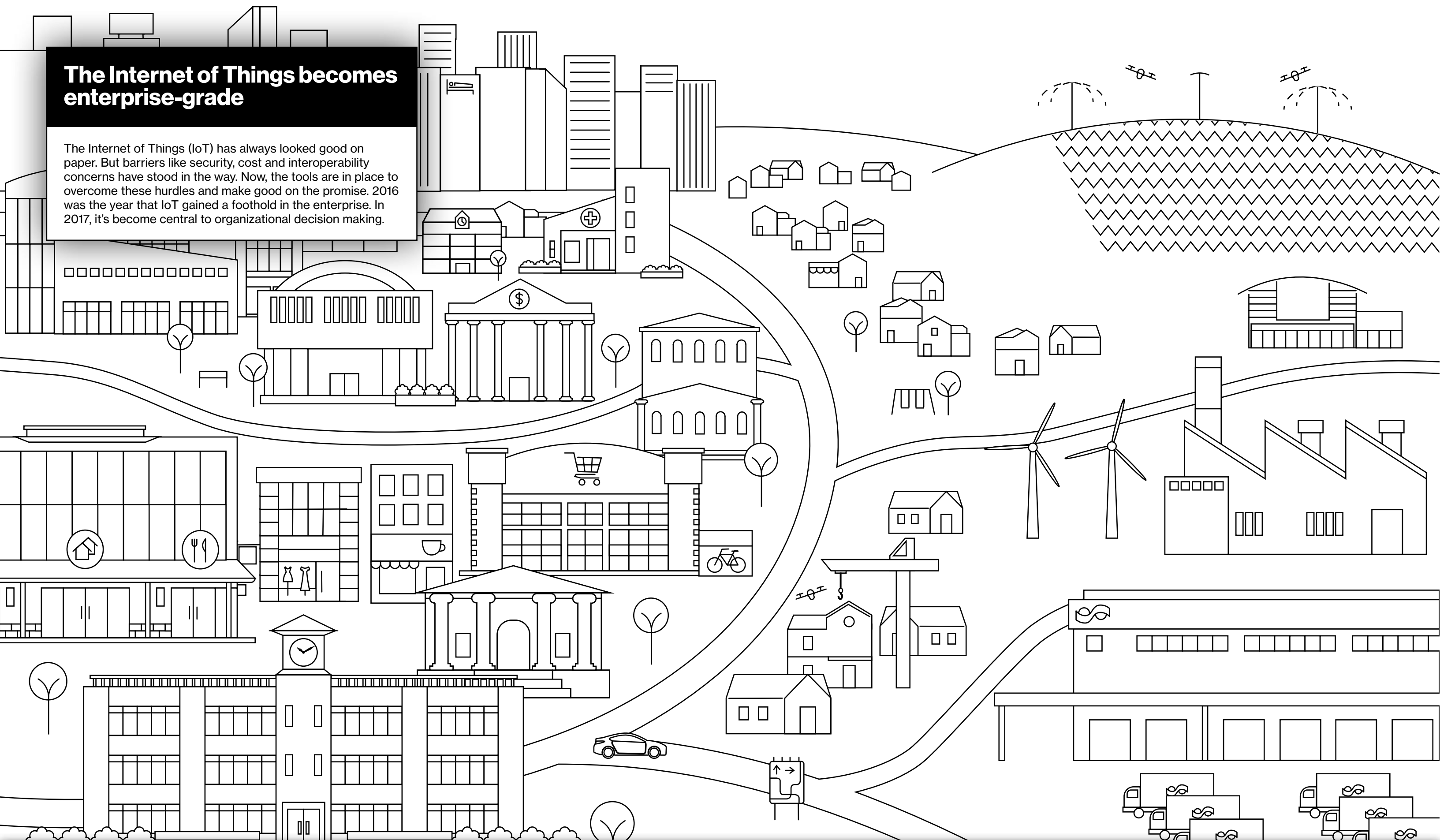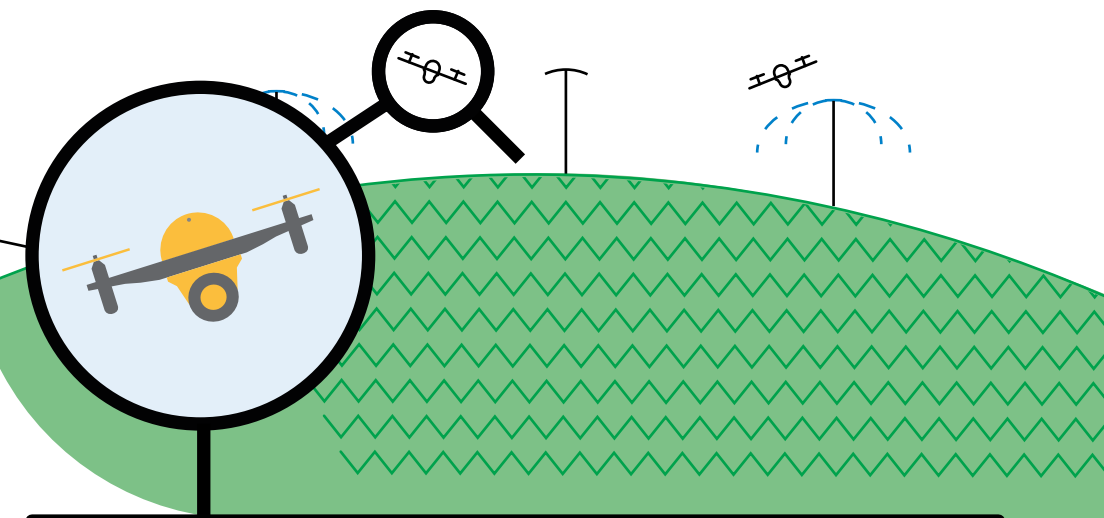# The Internet of Things becomes enterprise-grade

The Internet of Things (IoT) has always looked good on paper. But barriers like security, cost and interoperability concerns have stood in the way. Now, the tools are in place to overcome these hurdles and make good on the promise. 2016 was the year that IoT gained a foothold in the enterprise. In 2017, it's become central to organizational decision making.

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Clear skies for commercial drones

After easing the rules surrounding the operation of unmanned aerial vehicles (UAV), the FAA has predicted a dramatic increase in drone usage, with 600,000 commercial drones in the air by the end of 2017 — up from 20,000 in 2016.

Drones equipped with cameras and sensors are streaming near-real-time data on the condition of crops, pipelines, communication towers and other hard-to-reach assets. The potential is so great, many industry experts predict UAVs to become as ubiquitous as the internet.

Discover more: VerizonEnterprise.com/IoTReport

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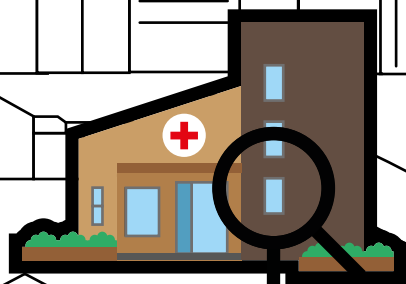
IoT: the power behind the smart grid

With hundreds of millions of digital smart meters installed across the US, the smart grid is enabling utility firms to identify patterns and trends to better manage infrastructure and operations. One electricity distribution utility is using a smart meter and smart-grid cloud platform to detect outages, and control operational costs associated with manual readings and reactive repairs. It can monitor consumption, manage remote disconnections and detect outages more quickly.

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Countering the counterfeiters

Counterfeit drugs cost the pharmaceutical industry upwards of $75 billion a year.

IoT-enabled track and trace technology is helping pharmaceutical companies, like Aegerion Pharmaceuticals, thwart counterfeiting and address the requirements of the US Drug Supply Chain Security Act (DSCSA).

International Trade Administration 2016 ITA Pharmaceuticals Top Markets Report, May 2016

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The world's smartest city

Kansas City aims to be the smartest city on Earth within five years. And it's made a good start toward that goal. Visit KC today and you can make use of an online portal to find an empty parking spot, have your path lit by a smart streetlight, or find your way with the help of 25 digital information kiosks.

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Cabs on-demand

Columbus Yellow Cab plans to use Verizon Share solutions to automate and streamline the cab reservation and payment process for its full fleet of cabs and drivers across Ohio. Its drivers, known as Driver Partners, will be able to more easily locate and rent available cabs, creating an on-demand, self-service approach to gaining access to vehicles.

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An birds-eye view of construction

Hensel Phelps Construction Co. is one of the largest general contractors and construction companies in the US. It has deployed drones for a variety of use cases, including: building inspections; data gathering for architects and job site managers; cardinal direction views for clients and building owners; surveying; HVAC efficiency inspections and a variety of others.

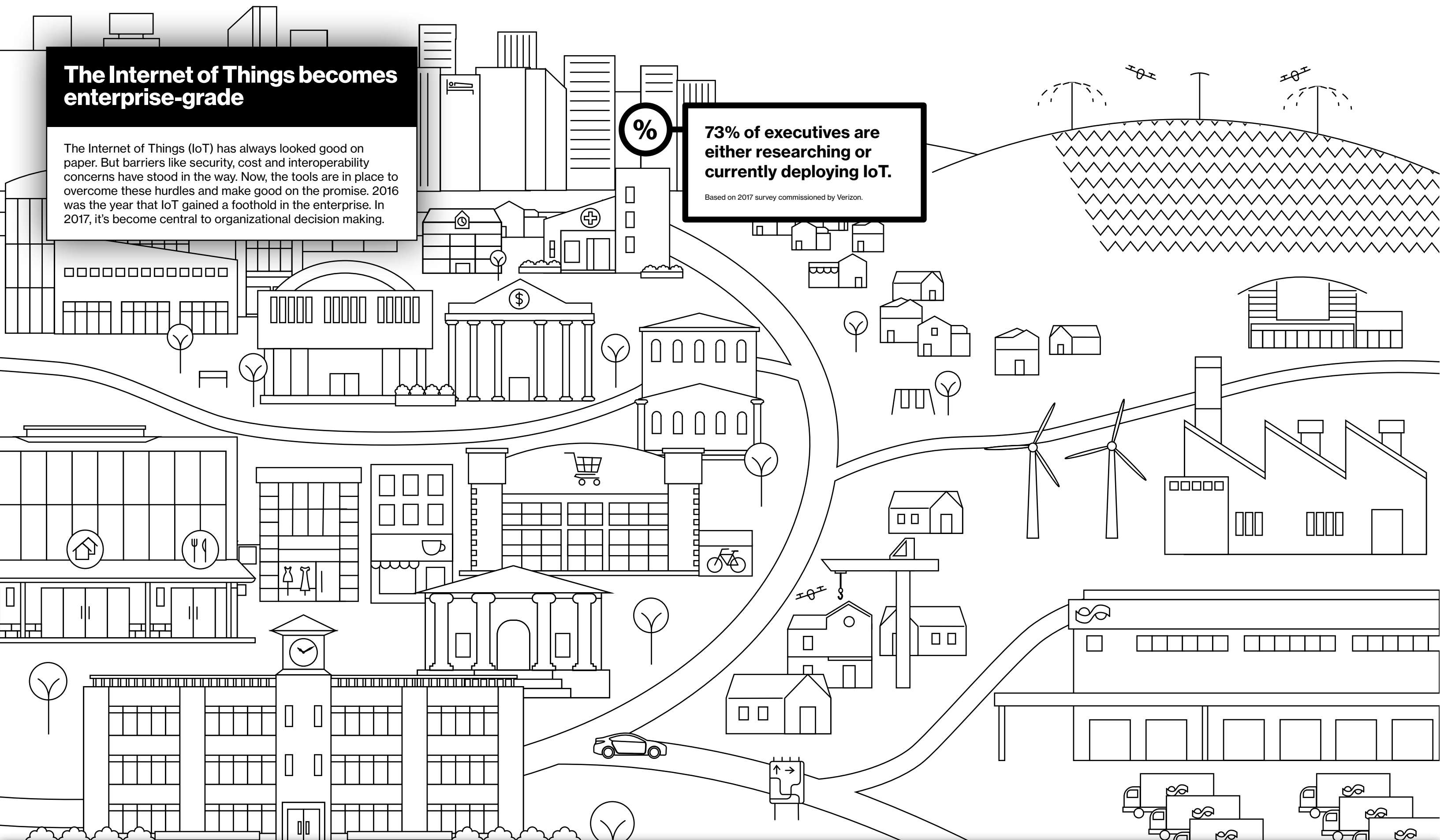**Discover more: VerizonEnterprise.com/IoTReport**

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%

73% of executives are either researching or currently deploying IoT.

Based on 2017 survey commissioned by Verizon.

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70% of Fortune 500 property & casualty companies are using drones to perform inspections and other claims-related work.

CB Insights, The Insurance Industry Is Poised to Lead the Way in Drone Adoption, June 28, 2016

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A third of all IoT deployments are aimed at improving customer service.

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B2B uses can generate nearly 70% of the potential value enabled by IoT.

McKinsey Global Institute, The Internet of Things: Mapping the value beyond the hype, McKinsey & Co., June 2015

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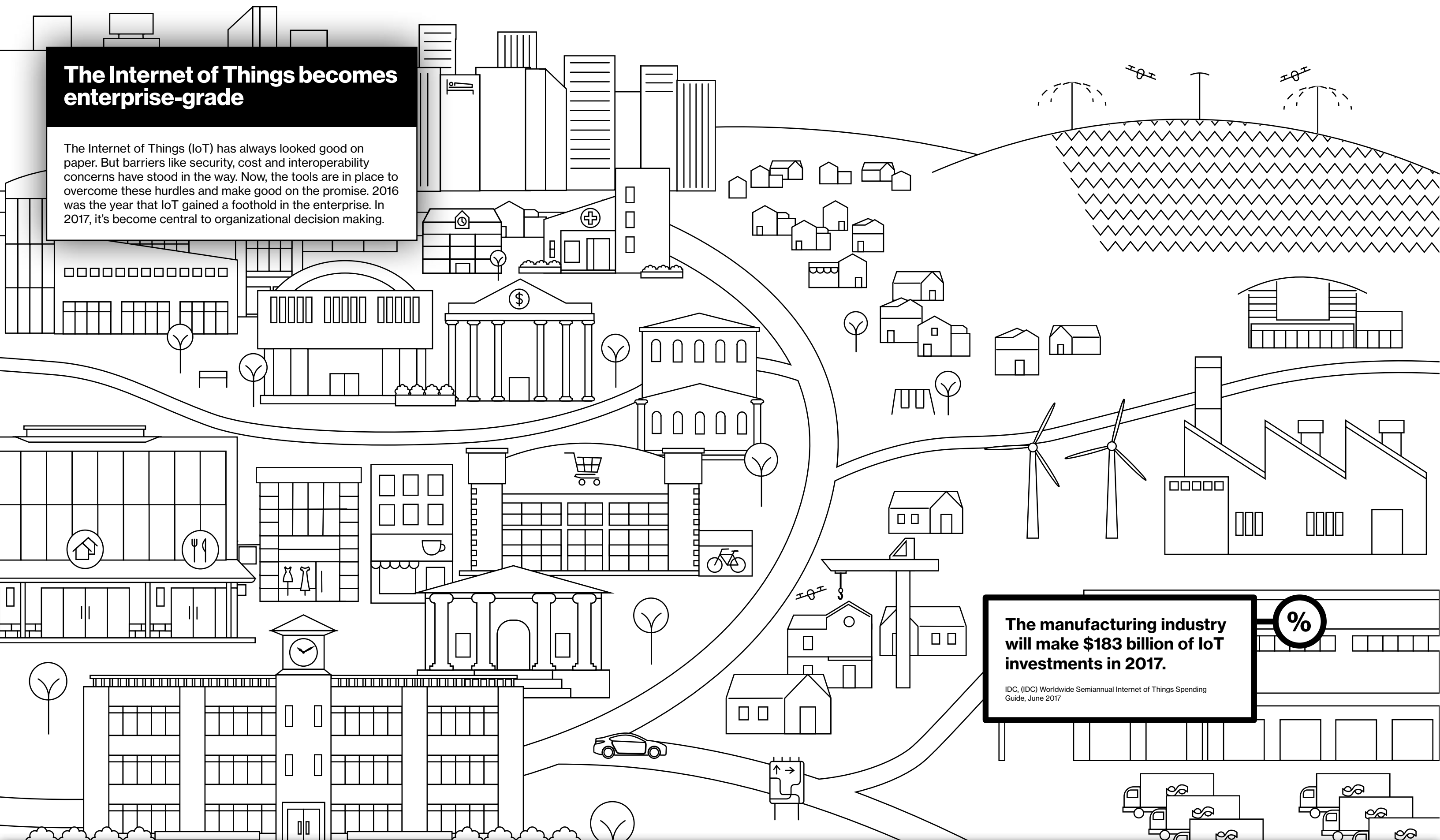
Gartner, Inc. forecasts that 8.4 billion connected things will be in use worldwide in 2017, up 31% from 2016, and will reach 20.4 billion by 2020.

Gartner Press Release, Gartner Says 8.4 Billion Connected "Things" Will Be in Use in 2017, Up 31% From 2016, Feb 7, 2017
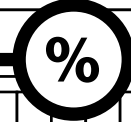
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The manufacturing industry will make $183 billion of IoT investments in 2017.

IDC, (IDC) Worldwide Semiannual Internet of Things Spending Guide, June 2017

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A quarter of IoT projects aim to improve enterprise production and delivery capabilities.

Based on 2017 survey commissioned by Verizon.

%

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