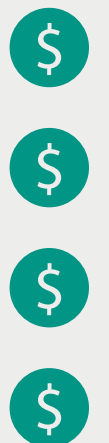# IoT: ANATOMY OF OUR WORLD

The Internet of Things is no longer a futuristic vision but a complex, growing network — a lot like ourselves. Each day, many more facets of our lives — from business to medicine, from our homes to government, and everything in between — continue to connect in new ways. The technology that connects it all also continues to evolve, incorporating high-performing solutions to address age-old challenges.

$11.1 TRILLION

The estimated economic impact by 2025 of IoT — equivalent to about 11 percent of the global economy[2]

BRAINS BEHIND IT ALL
Vast networks of technology of all shapes and sizes power the Internet of Things. By 2020, 21 billion things will be connected. Its potential to change every facet of our lives is already apparent.[1]

CONTINUOUS INNOVATION
Manufacturers worldwide are on the hunt for new ways to innovate, streamline processes and create efficiencies, from supply chain management to the manufacturing floor, and beyond.

GATHER INSIGHTS
The potential for meaningful data extraction is practically unlimited. Early adopters have leveraged IoT technologies to mine mountains of previously untapped data.

$70 BILLION

The estimated amount manufacturers will invest in IoT solutions in 2020, up from $29 billion in 2015.[4]

69%
of mining companies globally are looking for remote operation and monitoring centers; **29 percent** at robotics and **27 percent** at unmanned drones, all possible through IoT technologies.[3]

At the SugarCreek food processing facility in Cambridge City, Ind., a brand new network powers disruptive technologies that bridge IT and OT (operational technology) infrastructure to improve everything from supply chain quality and worker safety, to customer visibility and work team efficiency. Officials estimate they've improved labor use to 90 percent.[5]

HEALTHY COMPETITION
Keeping track of patients' medication and treatment histories, streamlining hospital and surgical admissions, improving quality of care and operational efficiencies — all represent only a fraction of the $117 billion healthcare IoT market potential.[6]

HUNGRY FOR MORE
Beacon technology, RFID tagging and customer-focused marketing solutions allow retailers and restaurateurs to gain a better handle on inventory and pinpoint specific customer needs before they even step foot in the store.

KEEP MOVING
Connected buses and commuter trains tell riders when and where they're going to be and show traffic backlogs or snarls, eliminating frustrations for users. Even fleet maintenance and troubleshooting see benefits through connectivity.

68%
of retailers look to improve customer experiences by identifying customers with information in real-time.[7]

500
Citywide nodes attached to streetlights in Chicago to monitor pollution and vibration levels, constituting what officials there believe to be the largest network of sensors yet.[8]

To learn more about the CDW solutions and services that will power your network into the next generation, visit CDW.com/nextgennet

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SOURCES:
[1]Pensions & Investments, "The Age of Disruption," May 2016 | [2]McKinsey Institute, "Unlocking the Potential of the Internet of Things," June 2015 | [3]IDC, "Robotics, Control and Virtual Reality: Why Digital Transformation Is Critical for Mining," August 2015 | [4]BI Intelligence, "The IoT in Manufacturing Report: Market Potential and Top Use Cases for a Sector That's Leading IoT Adoption," February 2016 | [5]BizTech Magazine, "The Internet of Things Powers a Modern Factory," November 2015 | [6]Forbes, "$117 Billion Market for Internet of Things in Healthcare by 2020," April 2015 | [7]Boston Retail Partners, "POS/Customer Engagement Survey," January 2016 | [8]StateTechmagazine.com, "The Internet of Things Drives Smart Transportation Projects," March 2016