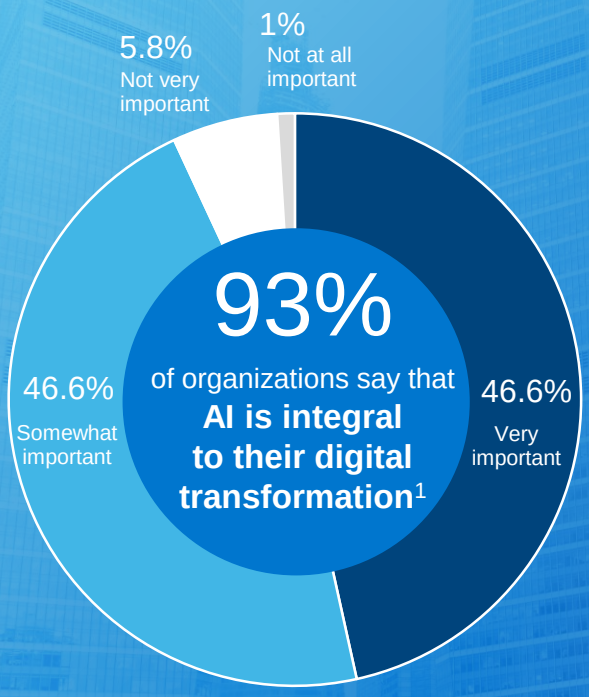
DELL Technologies

Artificial Intelligence Use Cases

Digital Cities



AI-driven outcomes

Powered by AI and a rapidly growing data-centric ecosystem, digital transformation is enabling cities to enrich quality of life for their citizens while operating more efficiently. The combination of a "data first" culture backed by AI insights and unprecedented levels of automation is changing everything—how buildings manage resources for the productivity, comfort and safety of tenants; how city government manages energy and waste; enhanced mobility services that ease traffic congestion and pollution; and health, safety and disaster management. Ultimately, AI-driven insights and automation are changing how cities become places that more people want to call home.

The outcomes driven by AI are extraordinary.

- Enhanced customer experience
- Efficient operations
- Cost reduction
- Risk management
- Diverse revenue streams

Who wins with AI

Manufacturers, employees and customers all win with AI. These are a few examples of transformative use cases.

City administration

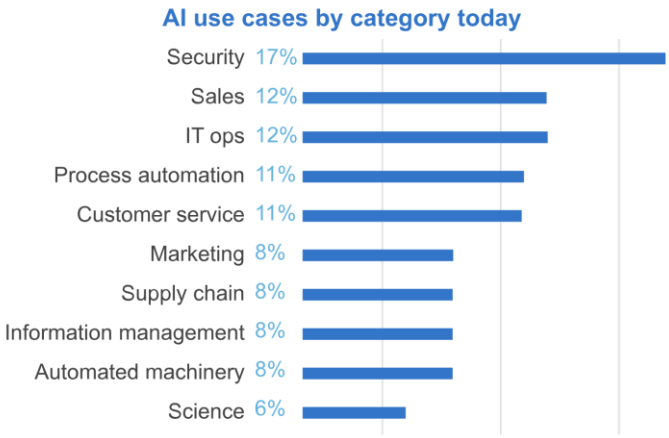
- Utility resource management
- Fleet management
- Mobility (traffic lights parking systems)
- Materials flow transparency
- Predictive maintenance
- Public health monitoring
- Disaster management
- Tourism insights
- Customer experience

Enterprises and Citizens

- Resource usage and waste reduction
- Enhanced mobility services
- Health and safety
- Security

Enabling AI across the organization

Research shows that over 55% of organizations are on an AI journey,[2] and the average AI adopter has nine use cases that require four different data types. Across industries, AI use cases are integral to many functions—security, sales, process automation, customer services, marketing, supply chain, information management, automated machinery and science.[3] Successful AI implementations require rethinking people, processes and technology to capture and process volumes of diverse data using machine learning and deep learning models integrated into processes and applications. We can help you do that.



[1, 3] 451 Research, Voice of the Enterprise: AI & Machine Learning, Use Cases 2020. Data is based on a survey of multiple industries. Link

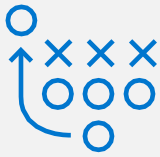
[2] MIT SMR Connections. How AI Changes the Rules for Management, 2020. Link

Making transformation real with AI

With insights and automation that enhance city services and urban mobility while reducing natural resource waste and pollution, digital cities are revolutionizing how we use resources and achieve improved quality of life. And, with 28+B connected edge devices projected by 2024,[4] this revolution is poised to escalate, as city government, enterprises and citizens benefit from real-time intelligence.

Accelerate intelligent outcomes with AI from Dell Technologies

When AI is done right, organizations can make big decisions and bold moves based on data-driven insights. Whether you're new to AI or ready to take it to the next level, accelerating intelligent outcomes requires alignment, optimization and scale. Here's how Dell Technologies can help you achieve more with AI.

Strategic elements	What our investments in people, process and technology help you achieve with AI
Align business and IT with a data first culture. 	Champion an environment in which all functions think first about how data can enable new opportunities while solving high-priority challenges. Create a plan for capturing valuable data so you can seize data-driven opportunities. AI experts in our Customer Solution Centers, AI Centers of Excellence and Consulting Services can guide you in exploring AI use cases, technologies and solutions that help you use your data to strategic advantage.
Put any data to work anywhere in any way.	Fast-track innovation and efficiency with solutions designed and validated by engineers for AI workload performance. Based on the industry's broadest AI-ready infrastructure portfolio, these solutions can save you time and money and reduce risk when you're deploying and operating your AI environments. And we can help you simplify IT sourcing, deployment and management across private, public, edge and hybrid clouds—wherever your use case demands.
Achieve success at any scale as you grow.	Whether you're just getting started with AI, enriching existing use cases or expanding into entirely new ones, we can help you move forward with confidence. You can leverage our partnerships with other AI innovators and our flexible IT consumption options to deliver and scale AI use cases to drive digital transformation on your timeline.

Transforming cities for the future can be challenging for even the most advanced organizations, due to the shortage of skills to envision and implement new data-driven ways of solving age-old problems. But the potential rewards are tremendous—more efficient services; more productive, healthier and safer citizens; and less waste and pollution.

For more information, visit DellTechnologies.com/ai or contact your Dell Technologies sales representative.

[4] IDC. Embedded Intelligence: Innovative Outcomes with Edge Cloud, an IDC InfoBrief, Sponsored by Dell Technologies, 2020. Link

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