United States | Public Sector

The City of Las Vegas transforms to create the city of the future

Client profile

The City of Las Vegas is the 28th most populous city in the US. A center for the entertainment industry, the city has 600,000 residents and hosts more than 40 million visitors every year.

> '**Cities that invest, cities that learn,** cities that understand the technology will be the cities of the future.'
>
> **Michael Sherwood,**
> Director, Innovation and Technology, City of Las Vegas

Summary

The City of Las Vegas needed an intelligent solution to tackle the challenges created by the modern world. With a growing population and constrained resources, they looked to technology and intelligent data for a solution. Through the intelligent use of sensors and the application of artificial intelligence and machine learning, the city now has access to critical data. Importantly, this presents decision-makers with information they can use, and at a time when it's most needed. The information generated by the connected city's systems makes a positive impact on the day-to-day lives of both residents and visitors. Intelligent data allows for real-time decision-making.

Vision

Why Las Vegas needed to become a connected city

The City of Las Vegas needed an intelligent solution to tackle the challenges created by the modern world. With a growing population and constrained resources, they looked to technology and intelligent data for a solution.

With more than 40 million visitors a year, the city faces huge pressures on their infrastructure. The intelligent application of technology was essential to provide services not just to the huge influx of tourists, but Las Vegas' 600,000 residents.

Building an intelligent city required access to information about what was happening in real-time. The City of Las Vegas needed to capture, analyze, and share relevant information as quickly as possible, allowing for the appropriate response to any situation.

Which technologies?

- Artificial intelligence
- Automation and orchestration

Which services?

- Managed Services
- Consulting Services
- Technology Infrastructure Services
- Cloud Services

Which partners?

- Dell Technologies
- NTT DATA
- VMware

'It's not just about getting the data back. It's about getting the data back when it's useful.'

Lester Lewis, Deputy IT Director, City of Las Vegas

Transformation

How data helps Las Vegas to connect better

Through the intelligent use of sensors and the application of artificial intelligence and machine learning, the city now has access to critical data. Importantly, this presents decision-makers with information they can use, and at a time when its most needed.

The City of Las Vegas deployed a multitude of different sensors monitoring activity within the city. These included CCTV cameras paired with analytics software, as well as sensors to monitor other potential impacts to the city, including traffic flow and weather.

With huge amounts of data collection, and with limited resources, AI and machine learning was 'also employed', removing significant burden from key city personnel.

The system delivers highly valuable insights for critical decision-making, in real time.

Results

What being connected means for the citizens of Las Vegas

The information generated by the connected city systems makes a positive impact on the day-to-day lives of both residents and visitors. Intelligent data allows for real-time decision-making.

Data generated by traffic flows is used to intelligently route vehicles, reduce congestion and get people to their destination faster. This allows emergency services to be deployed with extreme accuracy, dispatching the right resources to handle any issues.

Advanced facial recognition, when combined with greater CCTV coverage can search for missing children, for example. This dramatically reduces the time needed to find them.

For the City of Las Vegas, building an intelligent city has allowed them to collect data efficiently, enhancing the lives of both residents and visitors alike.

Technology plays a crucial role in driving business outcomes, which is why 85% of the Fortune 500 companies come to us. Find out how our full range of capabilities will empower your people, strategy, operations and technology to achieve your business modernization and transformation goals.

Explore our services