

Using data to build a better world

Smart Solutions

The data difference

The modern organization is a data-driven environment. As more sensors and devices are connected to the internet and each other, an unprecedented amount of data is generated. Knowing how to handle this data is key to creating actionable information and powering predictive analytics for organizational success.

Together with our partners, we are using data to create new solutions, pushing the boundaries of existing technologies to improve our living spaces – urban centers, education campuses and beyond..

Systems can think – and learn – to create safer campuses

Leveraging NTT DATA's big data engine, our Smart Solutions can reveal trends that enable education campuses to make better decisions and ultimately enhance the student experience while improving safety and security.

We have created an agile, robust cognitive foundation of ICT systems that can assess multiple data sources, perceive current conditions, and plan, decide and act on those conditions. Our solution set can even learn from the consequences of its actions, using past knowledge to refine current and future decisions.



Curbside control for University of California, Berkeley

The University of California at Berkeley engaged NTT DATA to improve curbside traffic and transportation control at several locations on the main campus. We delivered results fast:

- 100,000+ vehicles counted
- 5 unique traffic congestion reasons identified
- Key traffic patterns and average delays during congestion identified and reported in real time
- Traffic classified – major vehicle categories contributing to traffic congestion identified

How Smart Solutions can create a first-rate campus environment

Make the campus safer

- **Occupancy management:** People-counting and utilization analytics and predictions enable contextual, situational awareness and insight to align to safety standards.
- **Alarming-sound detection:** Send alerts to safety officials when sounds like breaking glass or a panicked scream are detected.
- **Crowd monitoring and detection:** Prevent crowd crushes and riots through early large-crowds detection.

Manage traffic efficiently

- **Traffic volume management:** vehicle counting and parking conditions
- **Traffic pattern analytics and predictions:** digital analysis and predictions for planning of repairs; curb utilization and monetization
- **Wrong-way detection:** wrong-way-turn and nonpermitted-entry alerts

Improve energy management

- **Occupancy management:** utilization metrics for tracking occupancy and usage
- **Facilities monitoring:** predictive maintenance, outage alerts
- **Overall equipment efficiency:** production processes KPI

Why NTT DATA

NTT DATA is a \$30+ billion trusted global innovator of business and technology services.

We serve 75% of the Fortune Global 100 and are committed to helping clients innovate, optimize and transform for long-term success. As a Global Top Employer, we have diverse experts in more than 50 countries and a robust partner ecosystem of established and startup companies. Our services include business and technology consulting, data and artificial intelligence, industry solutions, as well as the development, implementation and management of applications, infrastructure and connectivity. We are also one of the leading providers of digital and AI infrastructure in the world. NTT DATA is part of NTT Group, which invests over \$3.6 billion each year in R&D to help organizations and society move confidently and sustainably into the digital future.



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