acuvate®

... where Acumen drives Innovation

Accelerating Public Sector Modernization

with Acuvate's Cutting-Edge Technology Interventions

Building an employee- and citizen-centric culture is vital for governmental institutions that oversee the well-being of millions of people. Building smarter and safer cities with enhanced government-citizen collaboration are at the top of the checklist of leading public agencies. Digital transformation can play a significant role in taking this agenda to fruition. It can empower Public Sector organizations to improve public health and safety, control pollution, collaborate more efficiently, and address the evolving needs of their connected workforce and citizens. Specifically, intuitive AI and ML, data analytics and modernization, blockchain, & the use of smart chatbots, can change the game for Public Sector organizations.

However, almost 70% of government officials feel they lag behind in digital adoption initiatives. This is now set to change.
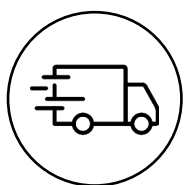
Presenting Acuvate's Smart & Sustainable Public Sector Solutions

Acuvate's Smart & Sustainable Public Sector Solutions are built for contemporary government organizations to elevate citizen experiences and provide employees with a streamlined view of data for enhanced productivity and decision-making. The Acuvate-Microsoft collective delivers intelligent platforms for future-ready digital experiences and empowers Public Sector bodies to become more sustainable and improve the health and well-being of citizens and employees.

Our approach to Public Sector modernization

We evaluate Public Sector companies' current state of maturity across data, technology infrastructure, processes and operations, and employee and citizen experiences and find opportunities for modernization with cutting edge technologies and domain experts. Acuvate's Public Sector practice comes with the powerful combination of sector experts and technology experts across AI & ML, data analytics, chatbots & automation, among others.

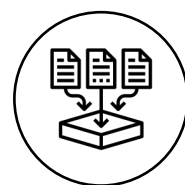## Acuvate's Proven Public Sector Impact Areas

Intelligent transportation	Public utilities modernization	Citizen & employee experience	Data-driven operational excellence	Process, operations, maintenance reinvention with AI & IoT

Acuvate's solutions have been instrumental in streamlining operations and enhancing the productivity and efficiency of some of the world's most progressive cities and their officials.

Empowering SLG Bodies for Next-Gen Innovation with Robust Solutions

Inspection App

A modern digital solution to modernize critical infrastructure inspections, improve visibility, save time, and address sustainability goals by replacing paper-based inspections.

Features

- Custom form templates and process flows
- Image capture and annotations for inspection records and evidence
- Centralized dashboard and real-time reporting
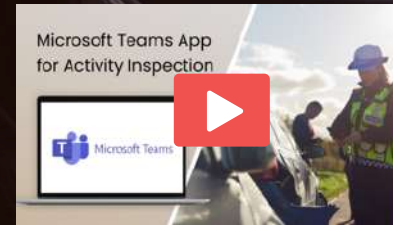- GPS enabled for seamless location tracking

Benefits

- 80% time savings
- 7X paper savings
- 70% reduction in TCO
- Always on visibility into and insights from even dark data

Inspection App at work

80% time saving and real-time security for a metropolis' water supply department

Read Case Study →

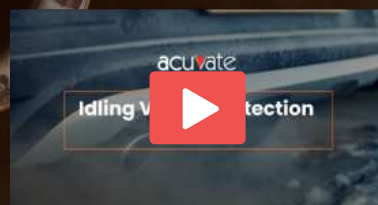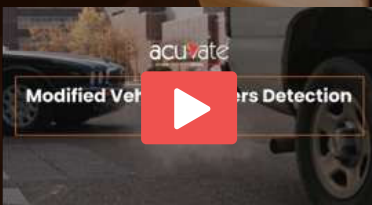Microsoft Teams App for Activity Inspection

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Benefits

- Less than 3 mins for video analysis, replacing manual effort completely
- 3-6 million overall cost savings
- Potential revenue gain of 12-30 million
- Quicker resolution of pollution complaints and violations

Air and Noise Pollution Monitoring Solution at work

400 person days savings per year of on video evidence reviews for the world's largest metropolis

Read Vehicle Muffler Detection Case Study →

Read Vehicle Idling Detection Case Study →

Modified Vehicle Mufflers Detection

Idling Vehicle Detection

Air and Noise Pollution Monitoring Solution

Air and Noise Pollution Monitoring Solution A robust AI & ML solution that seamlessly detects vehicles violating pollution standards. The intuitive platform extracts vehicle information from reported videos and DMV database, saving time and cost and resolving complaints faster.

Features

- Identifies vehicle breaking local laws for air and noise pollution
- Extracts vehicle information from DMV database
- Near-instant ticket generation for verification and penalties
- Easily changeable ML rules in case of changes in local regulations

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Vehicle Classification and Traffic Monitoring Solution

An intelligent transportation solution that uses data for vehicle classification and monitoring, payload detection, intelligent infrastructure decisions, and enhancing public safety on the roadways.

Features

- Identification and classification of vehicles moving in both directions on highways
- Vehicle identification and classification to decode traffic patterns
- Image segmentation and feature extraction of vehicles
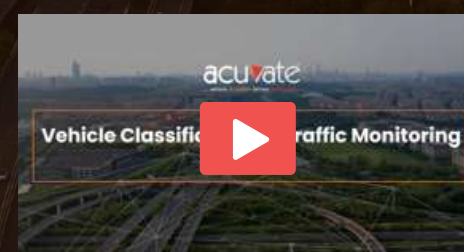- Easy to modify ML rules in case of changes to local regulations

Benefits

- 360-degree visibility into traffic density and violations for enhanced surveillance
- Quick identification of lost or rogue vehicles
- Improved road infrastructure
- Enhanced workforce efficiency

Vehicle Classification and Traffic Monitoring Solution at Work

Real-time identification of traffic violators for a national transportation department

Read Case Study →

Vehicle Classification & Traffic Monitoring

Benefits

- 95% reduction in data discovery time
- 70% reduction in data quality issues
- 1500-person days/year saving

Sustainable Water Management Solution at Work

Significantly reduced consumer complaints for an urban water department

Read Case Study →

Sustainable Water Management Solution

An innovative solution leveraging AI, data integration, and predictive analytics to monitor and control water quality parameters, resolve quality issues faster and reduce complaints.

Features

- AI-based predictive maintenance using anomaly detection and forecasting
- Real time dashboard and report templates
- Scalable to 100 petabytes of data
- Data cataloguing and data lineage for data governance
- Breaking data silos by integrating sources like legacy ERP, Scada systems, and IoT sensors

Blockchain-based Verifiable Credentials Solution

A smart solution that creates, issues, and verifies tamper-proof, secure, and cost-effective decentralized digital IDs for enhanced transparency, credibility, and reduced corruption.

Features

- Secure storage of citizen, business and government data in wallet
- Automated verification processes
- Complete audit trail for each inspection
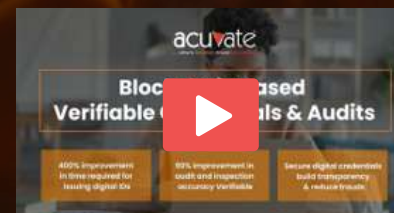- Complete information about users and validity

Benefits

- 90% improvement in audit accuracy
- 400% time savings in digital ID issuance
- Eliminates paper reliance to address sustainability goals

Blockchain-based Verifiable Credential Solution at Work

Improved transparency in certification process and eliminated fake license and certification instances for a government department

Read Case Study →

Benefits

- Up to 50% reduction of agent time spent on repetitive queries
- 60-100 person hours saving per week
- Reduced employee support costs and improved experience

Virtual Agents and Automation Robots at Work

Quick query resolution and elevated employee experience with intelligent virtual agents for a government department

Microsoft's Neptune Energy PVA Case Study →

Microsoft's NYC DEP Chatbots Case Study →

Virtual Agents and Automation Robots

AI-powered intelligent bot that enables employees to converse in their preferred language, find information and answers to queries instantly, and eventually increase organizational productivity.

Features

- Employee support delivered through simple conversational interface
- Transfer conversations to live agents
- Multilingual support
- No-code integration with ITSM systems to create and manage tickets
- Enhanced and automated front- and back-office collaboration

Wastewater Treatment Optimization

A holistic automation and control system combining SCADA and IoT datasets to improve operational processes, optimize chemical usage, and reduce carbon footprint in wastewater treatment plants.

Features

- Automation, SCADA system investments and sensor system expansion to optimize operations

- Centralized data repository delivered through a Centralized Data Analytics Platform for single source of truth and always-on visibility into historical data for enhanced decision-making

- Operational transformation to reduce data integration challenges, optimize skillsets and improve scalability

Benefits

- 25-30% improvement in operating processes

- 8-10% overall energy savings

- 12-15% reduction in chemical usage

- Predictive diagnostics and plant maintenance, improving plant and workforce efficiency

Wastewater Treatment Optimization at Work

90% reduction in invoice processing time for the contracting office of an urban water supply department

Be Future-Ready with Acuvate

Acuvate is partnering with global SLG organizations toward a safer, smarter, and truly digitized future. With successful rollouts across various territories in the USA and around the world, Acuvate's solutions and technology expertise are accelerating digital transformation for these institutions. Our award-winning SLG solution presents a disruption-free journey for enhanced citizen and employee experiences by

- Unifying data from siloed systems, including your legacy solutions

- Providing a 360-degree view of operations

- Leveraging existing Office 365 and Azure investments for enhanced ROI

- Deploying pre-built accelerators for hyper-fast time to market

- Making organizations truly data-centric

Partner with Acuvate today and pave the way for a smarter, safer and greener future.