

Implementing ALPR technology: Perspectives from across Canada

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Parking Challenges



How do we cover more and more parking lots without proportionally increasing enforcement staff?

How can we understand and optimize land use in a world of increasing rarity and real estate costs?

How do we go beyond catching people based on current behavior to finding all wanted vehicles?

Case Study: Concord Parking

Challenge

Expanding responsibilities with pressure to minimize infrastructure investment

Outcome:

- Expanded coverage with minimal investment
- Increased compliance leading to higher revenue
- Expand services offered; permits, overtime and traffic studies



“Technology has made our team and the services we provided far more effective. Before the AutoVu system, it would take two officers over a week to cover a large retail site. Today, one officer can enforce 9000 parking spots in a few hours.”

Director of the Parking Management Division at Concord—
Marc Postlethwaite

Case Study: University of British Columbia

Challenge

Replace aging infrastructure, improve customer service and advise on optimal land use

Outcome:

- Guided enforcement by officers in vehicles
- Improve ease of access to facilities and customer satisfaction
- Understanding of campus areas with high parking demand, driving preservation and reinvestment



“We are leveraging the technology to support efficient use of the available resources, and to complement what already exists. [...] It’s just money well spent in a cash-strapped environment, and is fantastic for the user.”

Director of Parking and Access Services at UBC—
Brian Jones

Traffic Studies

Gaining a better understanding of volume of users and times. Ability to validate hypotheses and judiciously expand facilities and change pricing.



Evaluate impact of events
and time of day with targeted
studies



Where to expand facilities
and where to introduce
mixed use infrastructure



Faster results without
dedicated
infrastructure

Better Intelligence

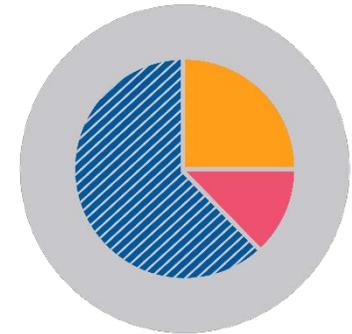
Beyond paid parking, fixed ALPR is being used to deliver insights into use.



Length of visit versus optimal use time



Mixed use parking is more easily evaluated



Trends in usage and marketing data

Case Study: Corman Park Police

Challenge

Officers were catching people misbehaving in the moment, but had difficulty enforcing wanted vehicles

Outcome:

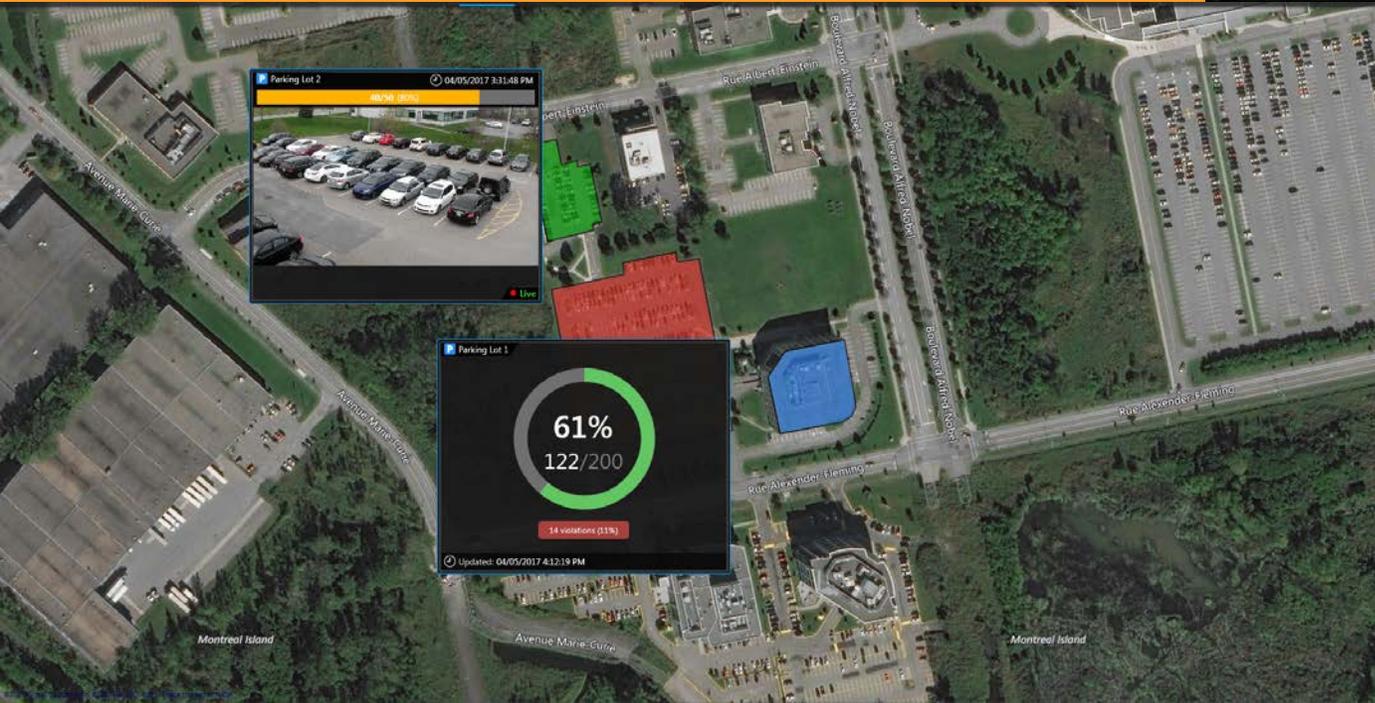
- Capture significantly more wanted vehicles
- Rapid ROI while increasing compliance
- Improved traffic safety by getting repeat offenders off the road



“There’s no way in the world that an officer can read every plate driving towards him. Now, AutoVu does it for them. It’s checking every single plate that they pass. [...] It used to be an 8:1 ratio of speeding tickets versus other infractions, and now, it’s the opposite”

Chief of Police Corman Park—
John Garnet

Concluding Remarks





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