

TRB EMS Subcommittee ANB10(5)

EMS Safety Summit 2012 Safety Systems, Strategies and Solutions

**Fleet safety systems &
“Putting invehicle telematics to use”
John Cunnane, Niagara Region, Canada**

February 29th, 2012

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Niagara Region

Niagara Region Demographics

Population: 430,000 (12 Municipalities)

Niagara region: 1850 square km

Ambulance call volume: 75,000 (annually)

Mileage: 2,000,000 km driven annually

26 Peak Vehicles



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Acetech

Integrated Vehicle Intelligence System

Fully integrated, vehicle performance monitoring and control system with on-board intelligence.

- Safety Systems
- Eco-Run Module Benefits
- Asset Protection Benefits



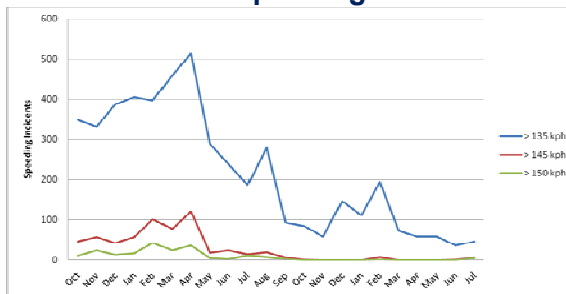
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Safety System (Integrated into AVI)

- Speeding infractions, Unbelted, Unsecured occupants
- Lights and siren compliance
- Create Driver Safety Reports- provide feedback to employees
- Set pre-defined speed limiters

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Niagara EMS Decrease in Speeding Infractions



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Optimize your fuel efficiency and reduce your carbon footprint

- Reduce idle times by as much as 40% to lower your fuel consumption and costs
- Reduce carbon emissions and contribute to a greener environment
- Prevent flat batteries
- Reduce engine wear and reduce maintenance costs while extending vehicle & engine life
- Monitor driver behaviour to reduce excessive rpm for additional reduction of fuel consumption

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Report Generated for One Week of Excessive Idling and Potential Savings on 5 vehicles



Summary

Automatic Vehicle Informatics (AVI) Benefits

- Protect assets with theft protection and geo-fencing
- Reduce engine wear and reduce maintenance costs while extending vehicle & engine life
- Modify driving behaviors with real time dashboard and full featured reports, and automatic updates on driving violations
- Improve fleet efficiency and operations with remote vehicle diagnostics & real time Fleet Management
- Track information through web based interface or integration with established dispatch software

