

Empowering Safe & Efficient Vehicle Use with Data



MOBILITY CONFERENCE





Background

York Region Transit, Richmond Hill, Ontario

Operates >**500** buses serving **5,200** bus stops, covering a **1,776** square km area and carrying **22.8** million revenue riders annually*

YRT Clean Air Campaign



*based on 2016 data

YRT's Goals



Decrease idling times to < 3 minutes

- Reduce fuel & maintenance costs
- Lower noise levels

Increase passenger safety

- Deliver real-time feedback to drivers
- Improve performance



YRT's clean air campaign encourages public transit use as a way of reducing air pollution.



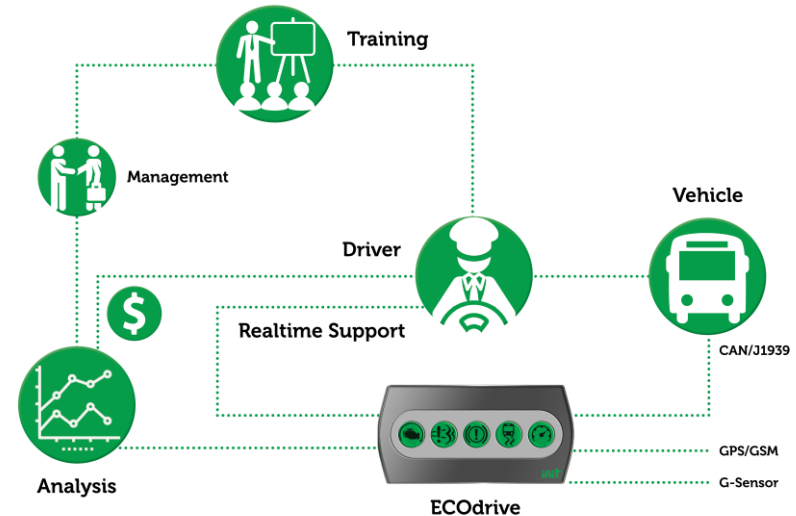
Implementation & Data



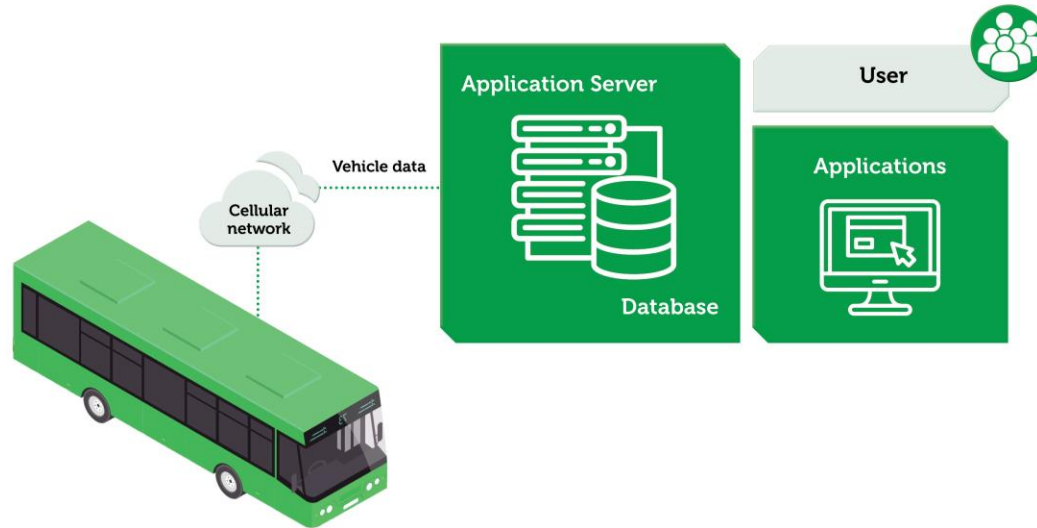
VHM & Driver Support System

1. Engine speed too high
2. Long idling time with the engine running (Anti-Idling Program)
3. Sharp acceleration and braking
4. Fast turning manoeuvres
5. High vehicle speed in speed limit areas

MOBILE-ECO² Economy x Ecology



Data-Driven Efficiency



MOBILEfficiency

Assistance System for Safe and Energy-efficient Driving

Data-Driven Results



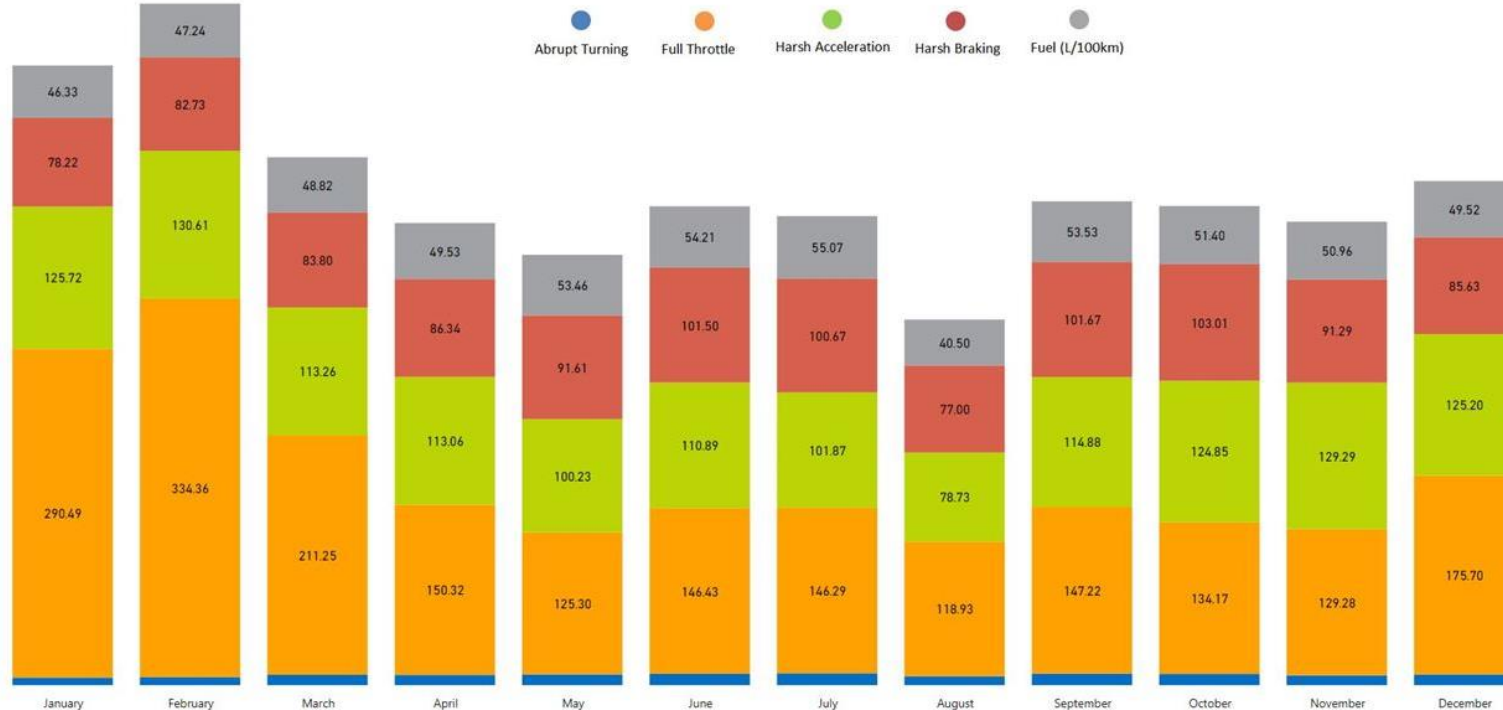
2018 Division Events per 100 km Trend



Data-Driven Results



2018 Events Trend per 100 km



Data-Driven Results



97%

Reduction in unsafe and uneconomical vehicle use.

- Decreased idling times and emissions
- Lowered fuel and maintenance costs
- Reduced noise levels

- Improved driver performance
- Increased passenger safety
- Reached Clean Air goals



- : [Empowering safe & efficient vehicle use with data article](#)

CUTA Climate Award



**CLIMATE CHANGE
ADAPTATION
& RESILIENCE
STRATEGY**

CUTA's Climate Adaptation Strategy

Award goes to

INIT & YRT

2018

**CORPORATE SAFETY AND SECURITY
AWARD**



Thank you!



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