

EDUCATIONAL FOUNDATION, INC.
NJLM

Introduction to Smart City Technology

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- Time is a valuable resource,
- *Therefore it is better to do things as quickly as possible*
- **Because time = \$**

The fastest way to get things done is by
using technology

Technology has provided us with
seemingly endless options for getting
things done more efficiently.

Mobile cellular data is one of the most
robust technologies of our time

The Shield Radar Speed Display



HOP BUS SERVICE

- **Real Time Vehicle Tracking**
- SmartTraxx provides cutting edge mobile applications and real time automated GPS tracking. Passengers and operators have unparalleled visibility to vehicle locations and service performance levels.
- Vehicle operation, acceleration, hard stopping, idling
- Passenger counts, types of passengers, fees collected
- Increased passenger volume
- Increased revenue by 200%

The Hoboken Parking Utility Fleet

- Network Fleet
- Receive reminder alerts for vehicle maintenance.
- Visualize driving behavior to spot and correct negative driving behaviors.
- See at a glance if vehicles are moving, idling or stopped.
- Receive alerts for speeding drivers.
- Receive check engine (diagnostic trouble code) alerts.
- Driver ID on every vehicle for follow up reports
- Total accountability of driver and vehicle
- Savings on fuel and vehicle repairs

Hoboken Meter System

- Metric Pay Stations 220 today by the end of Q2 380
- Pay Stations vs Single space meters
- Multiple payment methods, coin, credit card, bills, phone
- Central server or Cloud based
- Reporting and alerts
- Enforcement by tablet or LPR (license plate recognition)
- Mobile parking app
- Increase in parking revenue 40% +

SUMMARY

- Speed Display uses a sim card per unit, mobile data
 - Captures info, produces reports, easy to install, saves time = \$
- HOP bus uses a sim card per unit, mobile data
 - User app, captures info, produces reports, increased ridership = \$
- HPU Fleet uses a sim card per unit, mobile data
 - Increases employee efficiency, captures info, produces reports = \$
- Hoboken Meter System
 - Each pay station uses a sim card, mobile data
 - Each hand held tablet uses a sim card, mobile data
 - Each LPR vehicle uses a sim card, mobile data
 - Increased revenue by 40%, increased accountability to track every payment, increased employee efficiency, produces reports = \$\$\$\$