



Thinking in 360 Degrees. Making it Happen.

Fuel Savings Through Green Technologies

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*Fleet Managers have estimated that **driver training and incentive programs typically result in 15 percent fuel savings**. Whilst other studies estimate that many fleets could achieve a **10 percent fuel economy improvement through driver training and monitoring**.*

- US Environmental Protection Agency

Source: http://www.epa.gov/smartway/transport/documents/tech/022_gtp_fs_drivetrain.pdf

- **The Benefits**
- **The Areas Of Focus**
- **The Methodology**
- **The Challenges**
- **The Payoff**

THE BENEFITS

The Benefits

- Fuel Savings
- Decreased Maintenance Spend
- Reduced Accidents / Collisions
- Smaller Carbon Footprint
- Enhanced Public Perception



THE AREAS OF FOCUS

- Driving Habits

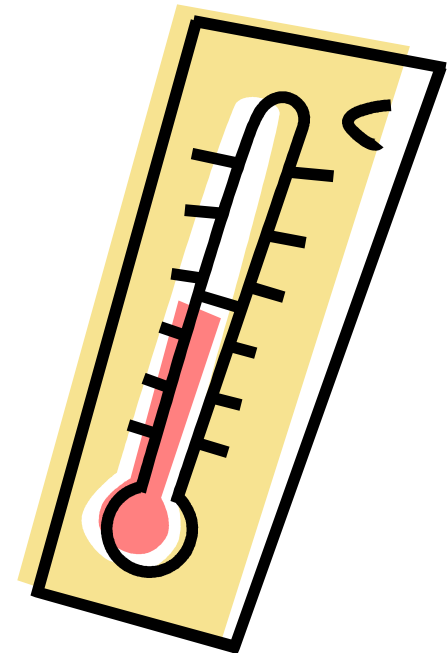
- Acceleration
- Braking
- Cornering
- Smoothness
- Speed

- Vehicle Idling

- Cutting Emissions and Fuel Consumption

- Vehicle Health Monitoring

- Engine Temperature
- Oil Pressure
- RPMs
- Etc...



THE METHODOLOGY

- Data Tracking
 - G-Forces
 - Engine Data (CAN)
 - GPS
 - Etc...
- Real-Time Monitoring
 - Alert Based Systems
- Performance Analysis
 - “End-Of-Day” Reporting



The Methodology



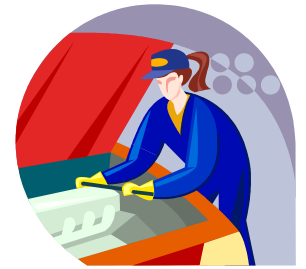
**Data
Collection**



**Performance
Analysis**



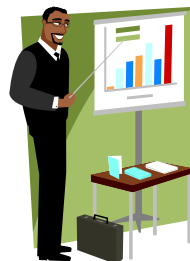
**Vehicle
Maintenance**



Scheduling



Training



**Human
Resources**



THE CHALLENGES

- Operator Buy-In
 - Tracking Driving Habits
 - Profit Sharing
- Training
 - Using the Data
- Data Mining
 - Analyzing Large Amounts Of Data



THE PAYOFF

- Reduced Fuel Costs
 - Potential Savings of 10 – 15%
- Lower Maintenance Costs
 - Through reduced wear and tear
- “Greener” Fleet
 - Through fewer carbon emissions



Thank You