

Deep Temperature Modulation AND BLACK BOX FOR VEHICLES



Brake components



DTM. - Provides a definitive competitive advantage by significantly reducing replacement and repair costs in a Brake system



Benefits of Deep Temperature Modulation Brakes

Deep Temperature Modulation(DTM) & Black Box

- ➊ **More uniform wear** – Forged metal brakes have inherent flaws from the forging process. These imperfections cause brake components to wear in an uneven pattern when working together. Thermal DTM Process removes these imperfections.
- ➋ **Stronger brakes** – The realigned grain structure of Thermal DTM Process metal is significantly stronger and increases the life of brake components by 2 to 4 times.
- ➌ **Reduced vibration** – Vibration is a bi-product of uneven wear. It robs energy, forcing the brakes to work harder to stop the vehicle.
- ➍ **Lower core temperatures** – Thermal DTM Process enables brake parts to maintain lower core temperatures and dissipate heat faster, which reduces the potential for premature failure.
- ➎ **Less noise from brake usage** – Brakes tend to squeal as they wear. The thermal DTM process extends the life of brake parts and reduces the wear.
- ➏ **Less wear & tear on ancillary components** – All of the things that make Cycled brakes work better have a positive effect on ancillary components.



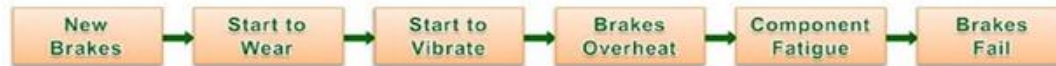
DTM & Black Box

Deep Temperature Modulation

Life Cycle of a Brake

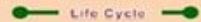
Deep Temperature Modulation not only makes metal stronger... it reduces stress, balances and stabilizes the metal at grain level, minimizes corrosion, reduces vibration, generates less heat when operating, it allows the metal to hold a sharper edge, and it helps prevent premature failure.

Life Cycle

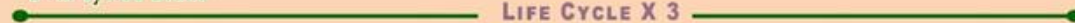


Deep Temperature Modulation increases the life of brake components by 3 to 5 Times

Typical OEM Brake



DTM cycled Brake



LIFE CYCLE X 3





Performance Results

Increased Brake Life



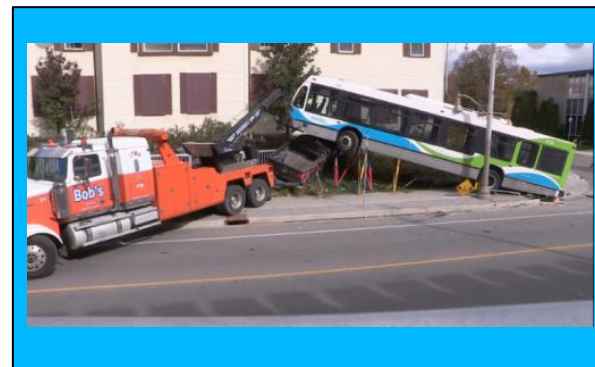
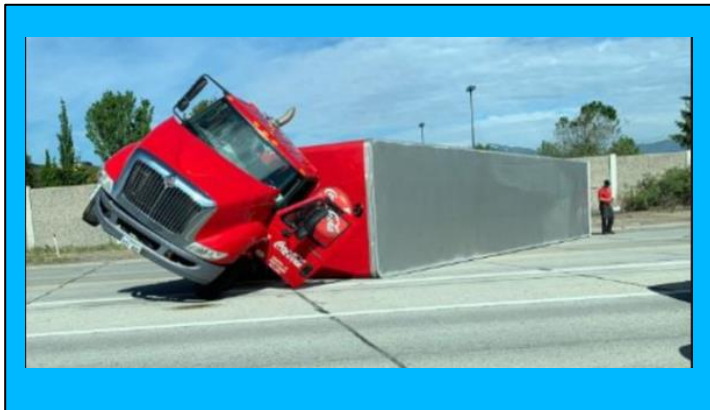
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 SARASOTA COUNTY	SCHOOL BUSES	300 % ↑
 MICHIGAN	MUNICIPAL BUSES	390 % ↑
 DUNEDIN, FLORIDA	WASTE TRUCKS	340 % ↑
 WASTE SERVICES, FL	WASTE TRUCKS	300 % ↑
 PINELLAS COUNTY	SHERIFF'S CARS	375 % ↑



In The Case of an Accident, Information is Critical to Determine the Cause and a Preventative Cure

In The US there are over 20 million fleet vehicles on the road with 2,000,000 being tractor trailers.



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Managing Vehicles in a Safe Manner Requires a Comprehensive and Reliable Solution



We Have a Five Part Solution:

- **1 We have the only technology to monitor the Brakes continually and can predict BRAKE WEAR**
- 2 We Monitor Driving Habits
- 3 We Ensure Drivers are Diligently Doing Their Safety Inspections
- 4 We acquire and store all moving vehicle data
- 5 We Make Safety Data Available for Insurance Purposes
- 6 We Gather All Relative Safety Data from Vehicles

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Our Visual Safety System

Location
Of the Visual
Stickers

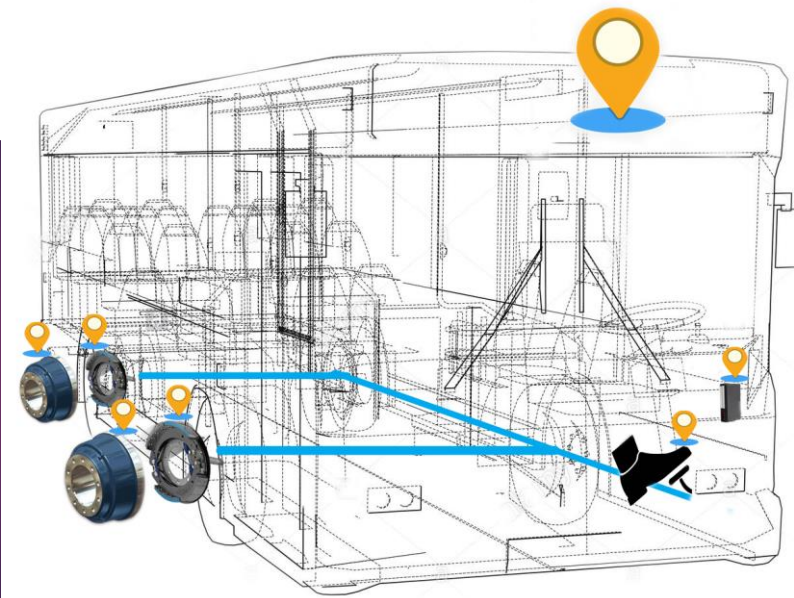
How to install and operate the system

•Installing the system is as simple as

- Plug the "engine ON monitor" device in to the cigarette lighter.....
- Attach the "key tag scanner" to the vehicle key ring.....
- Place "visual stickers" in locations that need to be inspected.....

•Operating the system

- The scanning process is as simple as aiming the "key tag scanner" at the visual sticker and pressing a button
- Each time the system is initiated by "engine on signal", the system requires that you have scanned the appropriate departure safety "visual stickers".
- Each time the vehicle engine turns off, you have a specific time to scan the appropriate vehicle empty "visual stickers".
- An example of a departure "visual sticker" would be the sticker near the tires
- An example of a vehicle empty "visual sticker" would be the sticker near each seat.
- The purpose of this system is to make a responsible person check appropriate areas, these areas are designated by the visual stickers



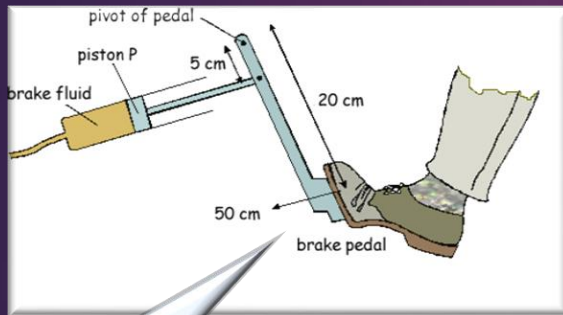


This is How We Do It

We Use Our Patented Pending Technology to Determine When the Brakes Are Activated, Every Time the Brakes Are Activated:

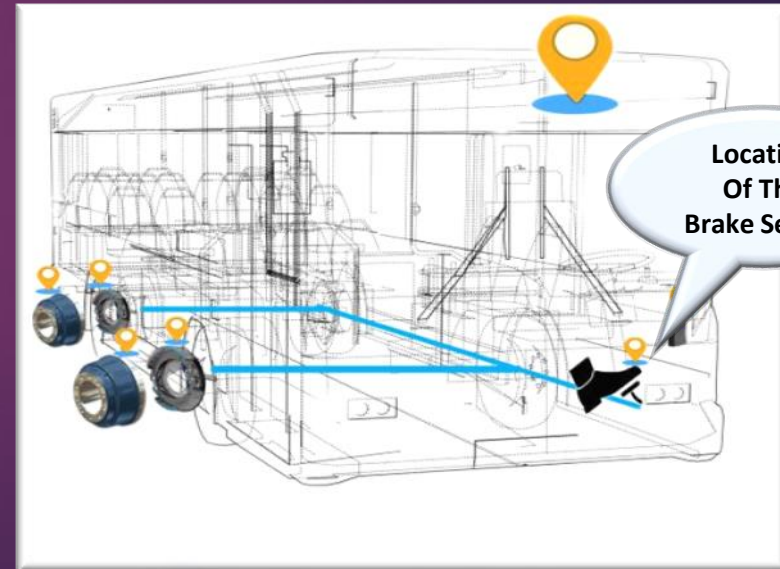
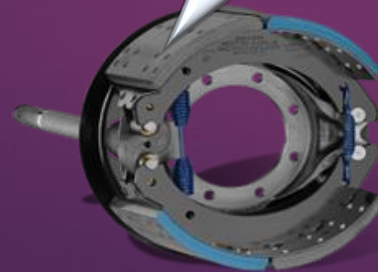
1. We Counted it and Store That Data.
2. We Time How Long They are Pressed.
3. We Store the Speed That the Vehicle was Travelling.
4. We Store the Exact GPS Location.

Black Box



Location Of The Brake Sensor

Commercial Brake Components



Location Of The Brake Sensor



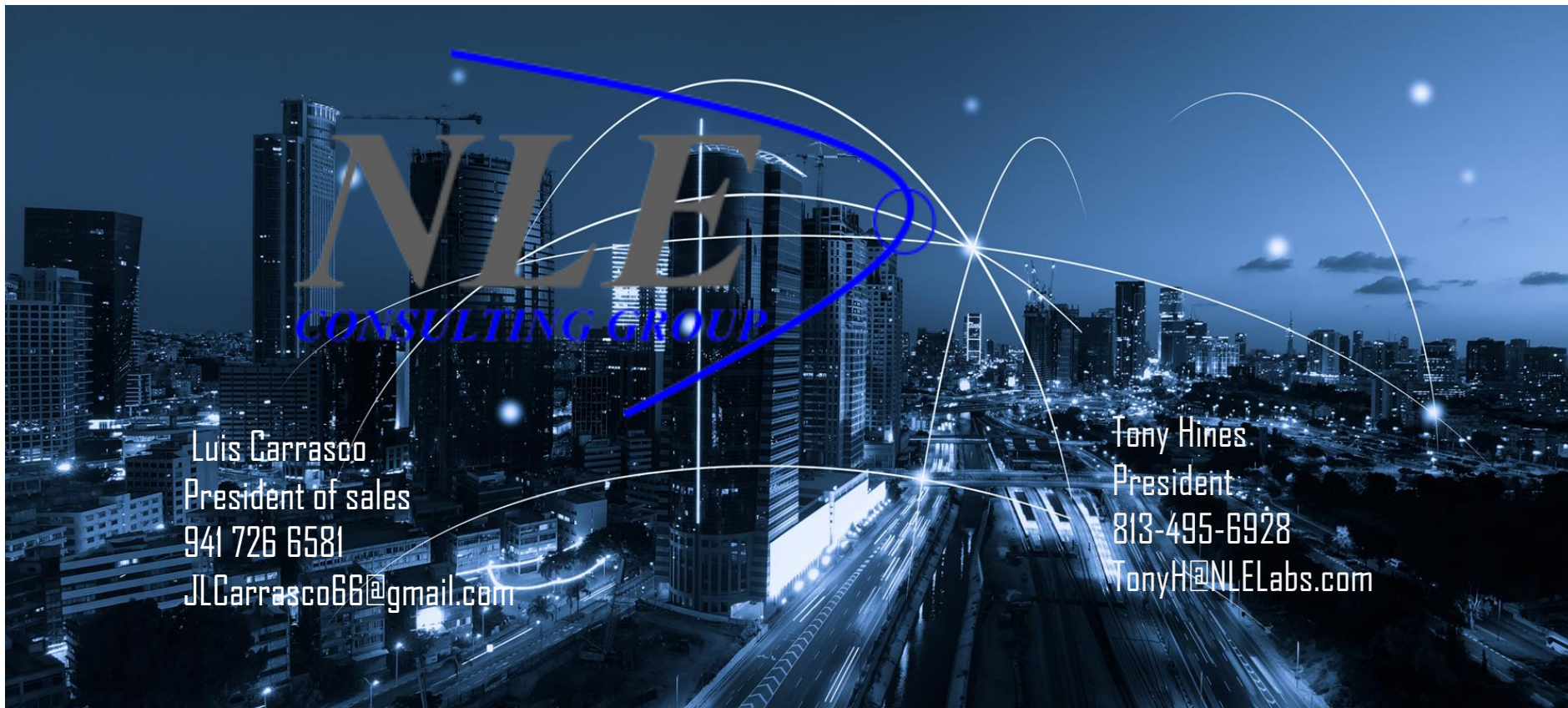
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The Shared Savings Agreement (SSA) is based on the saving of the Brakes that you do not have to buy. Typical fleet brakes that are on Busses and large trucks are about 300.00 per wheel and we assume a minimum of four wheels, (some trucks have more. Base on 2000 vehicles here is what the profits and sharing would be:

The 4 wheels at 300.00 = 1200.00 per vehicle, if the brakes normal life is 4 months and the cost per year would be 3600.00 per vehicle, 2000 vehicle brakes would be equates to \$7,200,000.00. Dollars
If the same 2000 vehicles were DTM treated and lasted 3 times longer, the annual brake cost would Be\$ 2,400,000.00 and the saving would be \$4,800,000.00. With a SSA of 50%,
we profit\$4,800 ,000.00 annually.



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