**NLE Green works** 

Next Level Engineering for a Green Economy 🛟

PROCESSING

LABS

Deep Temperature Modulation
DTM

Extends the lifespan of Metal components by up to 7 times, reducing replacement needs and cost with DTM

A Two- Dimensional Solution: -For Environmental sustainability - And Saving cost. Brakes, Drums and Rotors 340 % Increased Brake Life.

SCHOOL BUS



65 % Increased lifespan mold

# 85% reduction brake dust pollution

DTM machine

The Deep Temperature Modulation (DTM) process is more than just a technological innovation—it's a transformative solution for industries and counties seeking to balance economic performance with environmental responsibility.

- By addressing both
- direct pollution reduction, indirect energy savings
- And Saving cost





815 Hurricane Creek Road Chattanooga, Tennessee 37421 +1-423-312-2400 evan.thibaud@pneuwave.com

#### February 27th, 2023

Tony Hines: President of NLE Pure Thermal,

This letter is a follow up to the previous letter sent on January 9th 2023. The previous letter included one of the trials in Missouri as follows;

"Results from a major drilling and blasting company in Missouri have a typical bit life of approximately 3,000 borehole feet at their most abrasive rock operation in the Ozarks of Missouri. With the same bit manufacturer, a treated bit has seen 7,200 borehole feet and they are still operating the bit."

The first phase of the study is complete with testimonial, drill logs, and images to support this result. The result is a 433% increase in bit life. The final footage drilled was 12,999 borehole feet before a button was rolled (This is the term used when a carbide button breaks out and the bit is no longer usable). This test was conducted under a driller with 25 years of experience and this location was chosen as the worst case scenario for this client which is located in the OG Gasconade Dolomite formation.

The driller's comment "I've been in this business for over 25 years and I have never gotten that kind of footage out of a bit in the Lake of the Ozarks area. I am indeed very impressed."

#### **Testimonials** PROCESSING

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"A major drilling company in Missouri that we treated with DTM (Deep Temperature Modulation) provided us with the results obtained. Their typical drill bits have a lifespan of approximately 3,000 feet of drilling. With our DTM treatment applied to the same type of drill bit, the results showed an increase of 433% in the total feet drilled. The average drilling achieved was 12,999 feet before replacement was necessary

Sincerely,



Date:\_02/16/2024 8215 25th Court East Sarasota Florida 34243 813-597-3081

The lifespan of our concrete block manufacturing molds, specifically the 8x8x16 mold, despite all our efforts, the rebuild mold reached a production of a maximum 700,000 blocks

Mr. Tony Hines President Next Level Engin

Next Level Engineering Mr. Luis Carrasco Sales President Next Level Engineering 4479 122nd Ave N Suite A Clearwater FL 33762 After implement the DTM treatment one one of our rebuilt molds with the same 8x8x16 characteristics, the result were astonishing, We have achieved an extraordinary production of 1,100,000 concrete blocks

And The mold retains an impressive 25% of its lifespan.

#### Dear Mr. Hines and Mr. Carrasco,

We want to express our sincerest gratitude for the exceptional treatment of Deep Temperature Modulation (DTM) you provided us with. From the moment Mr. Carrasco introduced this innovative solution to us as an opportunity to extend the life of the molds we use for manufacturing concrete blocks, we were intrigued yet skeptical. However, the results have exceeded all our expectations.

For years, we have faced the challenge of maximizing the lifespan of our concrete block manufacturing molds, specifically the 8x8x16 mold. Despite all our efforts, the rebuilt mold reached a production of a maximum of 700,000 blocks. The costs and frequency of mold replacements are a significant burden for our plants. However, after implementing the DTM treatment on one of our rebuilt molds with the same 8x8x16 characteristics, the results were astonishing. We have achieved an extraordinary production of 1,100,000 concrete blocks, surpassing our most optimistic expectations. Even after this level of production, the mold retains an impressive 25% of its lifespan. This significant improvement has not only represented an exceptional achievement for our plant but has also had a positive impact on our profitability and operational efficiency.

## **Testimonials**

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We are delighted to have collaborated with Next Level Engineering and look forward to continuing this successful partnership in the future. We greatly appreciate your technical expertise and commitment to excellence. We hope to continue working together to explore new ways to enhance our production and efficiency.

Sincerely,

of meier

Plant Manager Best Block

Mr. Edison Vega Elala

Signature Production Manager Best Block

Sarasota FL Plant

# Committed to a Green planet



Marine pollution



obal Warming Issues

### Melting Icebergs

Global warming and pollution are the consequences of these significant issues facing the world.For decades NLE Processing Labs has worked toward a greener planet. Our DTM Treatment can now assist businesses and municipalities in reducing the pollution produced by vehicle fuel combustion. Additionally DTM Treatment directly reduces pollution by minimizing brake dust and metal particle emissions, improving air quality and protecting ecosystems.

Air pollution and Brake dust



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NLE Green Technology = Bigger profit Saving the planet NLE PROCESSING LABS

## Why choose DTM?

## Health and Community Benefits:

Cleaner air reduces the risks of respiratory and cardiovascular diseases. Companies and municipalities
using DTM treatment contribute to the well-being of communities near roadways and industrial areas.
 DTM Treatment Protecting ecosystems promotes long-term sustainability for wildlife and natural habitats, ensuring a
healthier environment for future generations.

### Lower replacement:

-DTM directly reduces pollution by minimizing brake dust and metal particle emissions up to 85%, Our Treatment used in metal products last longer up to 7 times, Lower replacement rates mean reduced maintenance costs and fewer disruptions, DTM conserves natural resources and aligns with global sustainability goals.

### **Energy and cost saving:**

-DTM treatment used in industrial drums and Rotors helps save energy, We know that for every 10 brake drums treated with DTM, the energy saved is enough to power a home for an entire year. -Reduces the energy required for mining, processing, and transporting metals, leading to significant cost savings for manufacturers and industries

## **Economic Competitiveness:**

-Companies adopting DTM can position themselves as leaders in sustainability, appealing to environmentally conscious consumers and investors.

-Adopting DTM demonstrates a commitment to environmental stewardship, enhancing brand reputation and market competitiveness.



## **Quantifiable Conservation Benefits of DTM**

Next Level Engineering for a Green Economy S Metric

Annual brake material loss (global)

Metal particles released (70% of total)

Annual global steel production

Iron ore mined for steel production

Energy required per tonne of steel

CO2 emissions from steel production

Homes powered by saved energy

Diesel fuel for steel transportation

CO2 emissions from steel transportation

Current Value DTM I

1.4 million tonnes

980,000 tonnes

1.9 billion tonnes

3.23 billion tonnes

9,958.78 kwh

~3.6 billion tonnes

~1.76 billion homes

~68 billion liters

~180 million tonnes

**DTM Impact** (50% Reduction)

NLE Green Technology = Bigger profit Saving the planet







# CONCLUSION

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The Deep Temperature Modulation (DTM) process is more than just a technological innovation—it's a transformative solution for industries seeking to balance economic performance with environmental responsibility. By addressing both direct pollution reduction and indirect energy savings, DTM protects the planet, conserves resources, and improves the quality of life for communities worldwide. Invest in DTM today to lead the way toward a cleaner, more sustainable future. NLE PROCESSING LABS

## **Deep Temperature Modulation**

NLE Green

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**Devoted to Green Energy**