

Mastering Science To Serve Our Customers™

Elements of Woodbridge



































































The Automotive Silver lining Behind the COVID 19 Dark Cloud

Virtual Presentation, Guelph, Ontario Canada Dr. Hamdy Khalil - The Woodbridge Group September 24, 2020



With the world undergoing its second "Once in a Generation" disruption in twelve years, rethinking the "FUTURE" is in order.

Two shots in the head in the span of 12 years....and we are still standing!

WE ARE THE AUTOMOTIVE INDUSTRY



The world has seen firsthand the positive impact of COVID-19 on Pollution and Green House Gas Levels



The world with the Automotive Industry Leading the Charge in confirming that the longer-term *PANDEMIC* is seen in the health of our planet.

- COVID-19 will face its vaccine
 will lose its Protein
 will Die
 the Cure is coming
- The Automotive Industry is now contributing to the design of the vaccine that will give our planet its health back

We will breath clean air again



Pollution and Green House Gas Vaccine Formulation^{1,2}

- Preparation for tomorrow....it will arrive
- Collaboration....Beyond Talk
- Sustainability.... Circular Economy.... it is not a choice...it's a must! ...Is the way Forward
- Living the seventeen (17) UN SDG....not just talking about them
- Internalized Green Chemistry and Engineering Principles....supply chain and customers



- Speed and Agility...centered leadership
- Intentional Outcome....what is the end-in-mind?

- Shared Patent by the Global Automotive Industry and the Supply Chain.
- 2. Other Industries have the freedom to operate and use the recipe.



STAGE THREE TEST REPORT

Collaborative and Collective
Determination to work on the Impossible
Trinity of:

- Sustainability
- Cost
- Performance

And achieve a new level suitable for commercialization and good for the planet



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