



***Next-Gen Materials for a Stronger, more Resilient World***

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**We cannot solve our problems with the same level of thinking that created them.**  
**-Albert Einstein**

**We need to do MORE with less.**

# BRIDGING THE GAP



**2D Material  
Producers**



**End Users**

GRAPHENE

# Graphene



# Graphene Properties



**Thermal Conductivity**



**Strength**



**UV Resistance**



**Electron Mobility**



**Electrical Resistance**



**Flame Resistant**



**High Surface Area**



**Flexibility**



**Transparent**



**Impermeability**



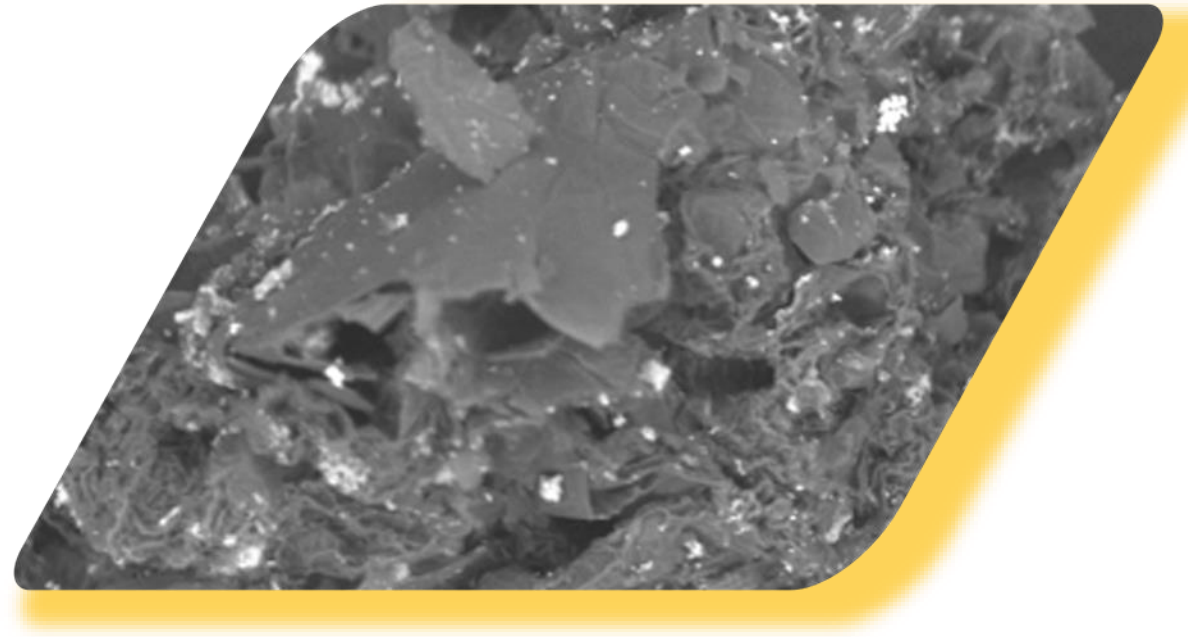
**Thinness**



**Stiffness**



- Can **functionalize** a wide variety of graphene or 2D materials to improve compatibility
- Mfg. Capacity **1 metric ton per year** with products ready to deploy for testing and manufacturing
- Products designed to work within your existing manufacturing processes.
  - Injection Molding
  - RTM
  - Pultrusion
  - Hand Lay Up
  - Pre-Preg



VERIFIED **FUNCTIONALIZED**<sup>®</sup>  
— Graphene —  
THE GRAPHENE COUNCIL



THREE CORE PRODUCT FAMILIES  
ONE PLATFORM TECHNOLOGY

***E-GO***

Graphene Oxide Hybrids

***LIGRA***

Graphene Hybrids

***ACRE***

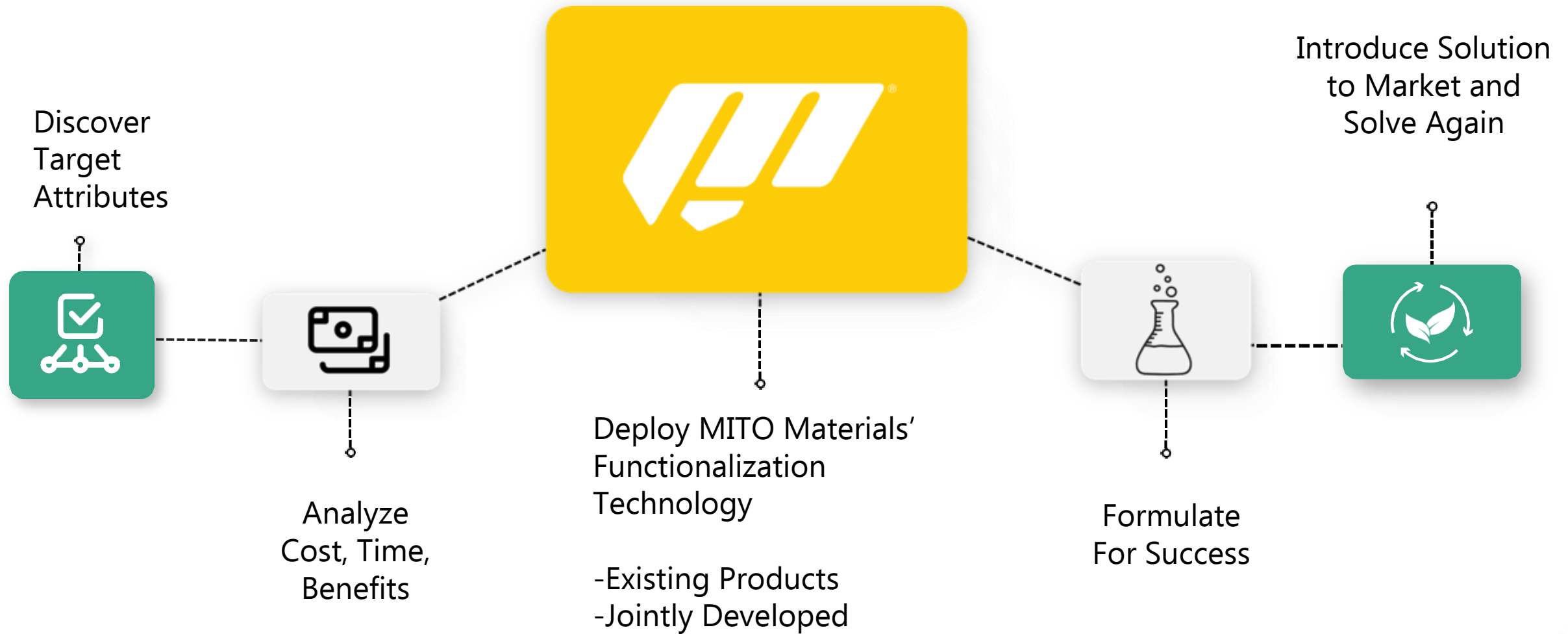
Bio-Based Hybrids

- +Stiffness
- +Fracture Toughness
- +Flex Strength
- +Lightweighting
- +Vibration damping
- +Electrical Conductivity/Insulation
- +Thermal conductivity/ Insulation
- +Biobased content (ACRE only)





# FORGING SUCCESS WITH MITO MATERIALS







# Empowering the Next Material Evolution.



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