

# AUTOCOMPOSITES



## KICKSTARTING WIDESPREAD ADOPTION OF AUTOMOTIVE CARBON FIBER COMPOSITES

COMPOSITES IN TRANSPORTATION SYMPOSIUM  
MARCH 2013  
MISSISSIPPI STATE UNIVERSITY



GREG RUCKS  
ROCKY MOUNTAIN INSTITUTE

# AUTOCOMPOSITES

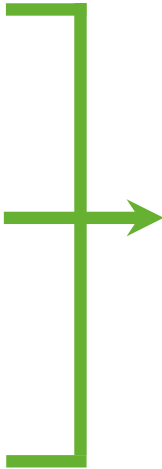


**Top Five Incorporated**



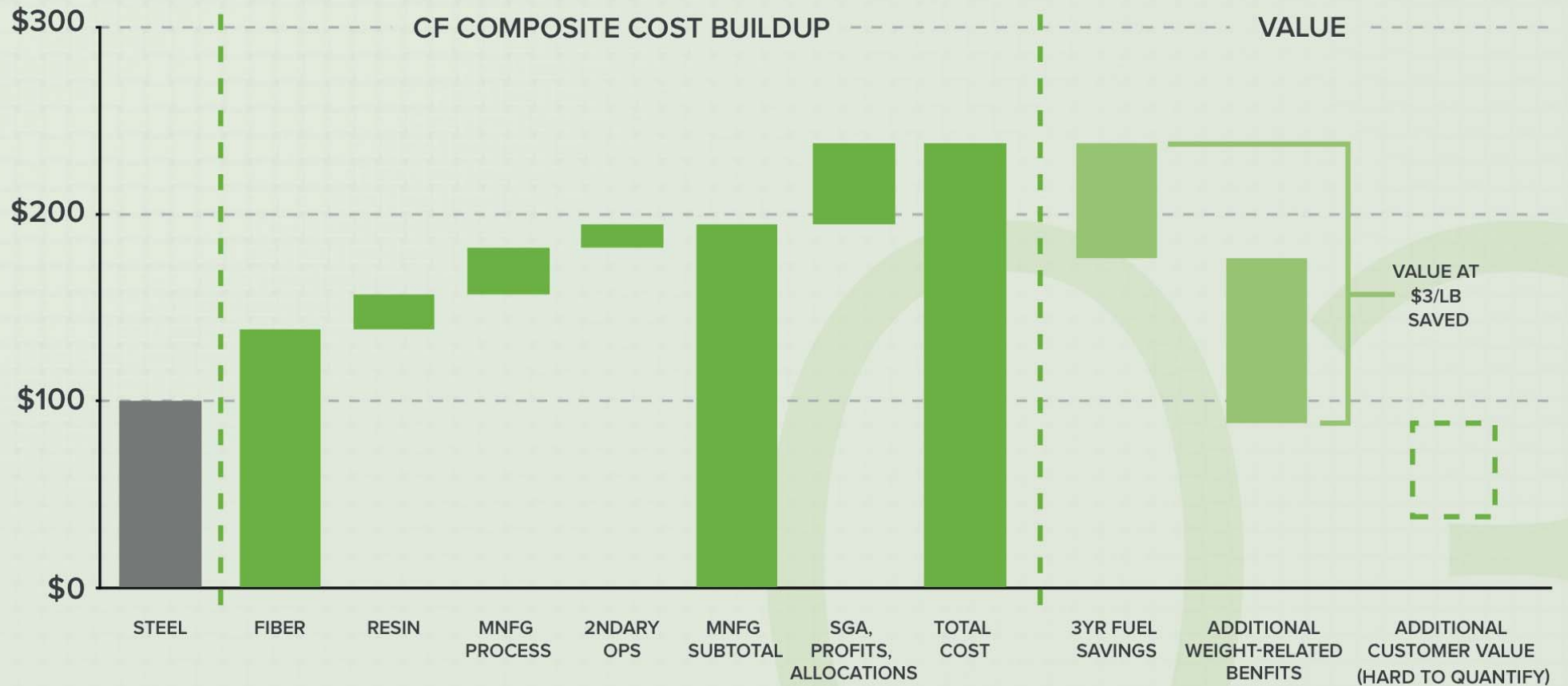
# KEY NEEDS AND POTENTIAL NEXT STEPS

NEEDS
PARTS-LEVEL CF ADOPTION IN HIGH VALUE APPLICATIONS
ENHANCED R&D COORDINATION
MATERIAL CHARACTERIZATION
PREDICTIVE DESIGN TOOLS
TECHNICAL R&D NEEDS
CARBON FIBER COST REDUCTION

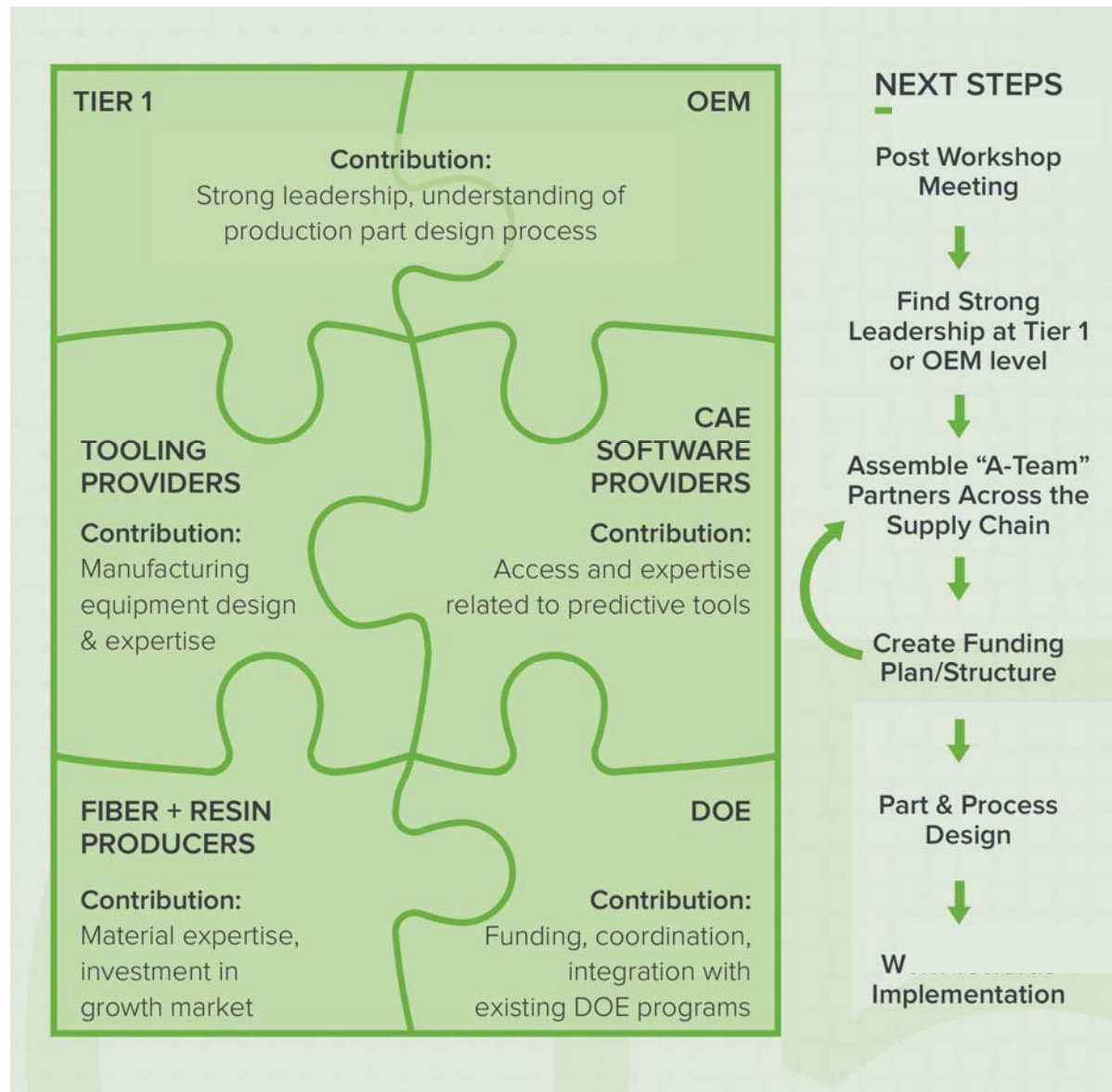


POTENTIAL INITIATIVE
<b>1</b> PARTS CAMPAIGN
<b>2</b> INNOVATION HUB
<b>3</b> TARGETED ALTERNATIVE PRECURSOR EFFORT

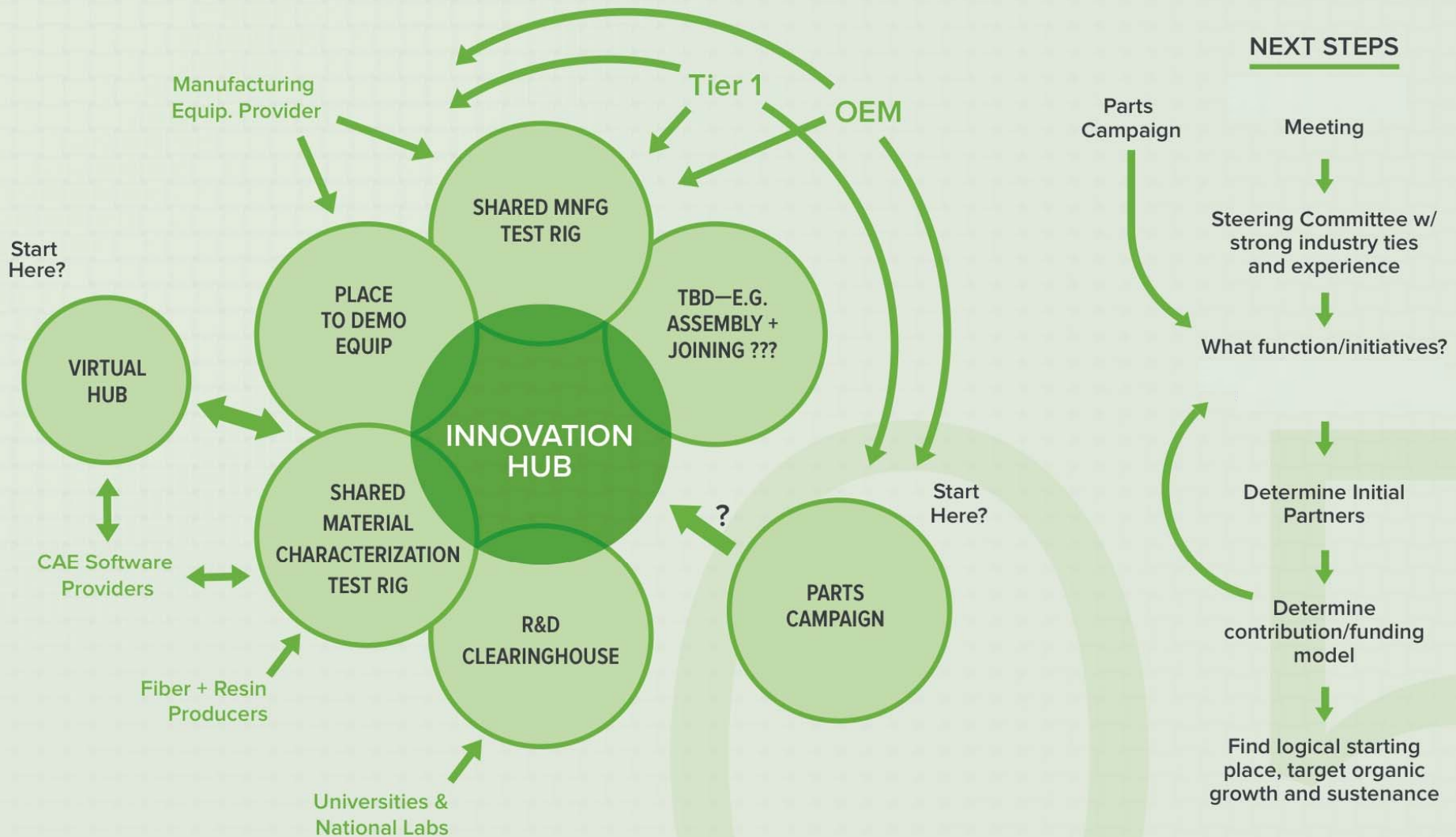
# A VIABLE BUSINESS CASE FOR ADOPTION TODAY











# PARTS CAMPAIGN: KEY INGREDIENTS

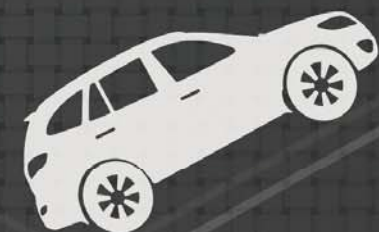


# INNOVATION HUB: KEY INGREDIENTS



## OTHER TECHNICAL R&D NEEDS

-  Joining/Bonding R&D
-  Tool Development
-  Preform Development
-  Surface Treatment R&D
-  Fatigue Behavior R&D
-  Recycled Fiber Use and Recovery
-  Consumer Marketing and Education
-  Energy Efficient Carbon Fiber Production



ROCKY  
MOUNTAIN  
INSTITUTE®

1820 FOLSOM STREET | BOULDER, CO 80302 | RMI.ORG