LIGHTWEIGHT LOW-COST DAMAGE TOLERANT THERMOPLASTIC DRIVE SHAFT

• Demonstrated successful ground testing on a helicopter
• Weight savings over aluminum exceeds 33%
• Technology maturity advanced to TRL 6+
• Demonstrated damage and ballistic tolerance
• Sustain damage and support flight loads
• Demonstrated thermal (high and low) performance
• Out of autoclave net shape processing
  » Tape Placement
  » Demonstrated technology feasibility
• Illustrated design customization (tailored properties)
  » Exceeded torsion properties of Aluminum