Over the last 18 months AGM has collaborated with Century to develop and produce a demonstrable working application for its graphene nano-platelets (A-GNPs), and in doing so, has avoided the technical obstacles frequently encountered when combining graphene or other nanoparticles in epoxy resin based carbon fibre composites.

Century has designed, tested and fully evaluated a range of next generation, graphene reinforced, high-performance fishing rods. Initial in-house testing and validation of the Century GT1000 rod was followed by extensive, and near destructive, field testing against large and powerful pelagic fish off the Ascension Islands.

Video evidence along with detailed pre and post-analysis of the rods demonstrated clear performance benefits in the form of:

- improved interlaminar performance, with significantly reduced crack propagation whilst the rod was in extended periods of extension and compression
- retention of the original material performance and design specifications and
- reduced surface degradation under harsh environmental conditioning.

Century are successfully marketing their new range of graphene reinforced rods to a global customer base.