The Lightweighting Technologies Centre of Excellence at WMG is focussed on the design and manufacture of the next generation of lightweighting solutions. This is in response to the significant challenges facing the UK as a result of the low carbon agenda. Our research and development is conducted under the three themes of design, manufacture (forming, shaping and assembly) and product performance, all underpinned by simulation and virtual manufacturing. A number of competencies cut across these main themes. The research is materials-agnostic and covers structural and functional materials including metals, ceramics, polymers, composites and hybrids.

It is proposed to establish a WMG Lightweighting Guild to be made up of at least 10 companies. Each will receive up to 10 days of contact time from WMG’s dedicated Guild Manager including access to WMG’s world-class facilities, equipment and specialists in the following areas:

- Engineering Materials and Manufacturing
- Multi-Functional Systems
- Sustainable Materials and Manufacturing
- Materials Processing and Electrochemical Engineering
- Net-Shape Manufacturing
- Metrology
- Automation Systems
- Digital Lifecycle Management

Companies will also receive support from the Lightweighting Guild Manager to create joint research programmes, to access grant funding and to assist in proposal writing.

In addition to this significant support there will be access to meeting and conference rooms and a quarterly Lightweighting Guild meeting for up to 3 company delegates held at WMG. The latter will feature an invited guest speaker/technical presentation, a funding opportunities update and discussion forum. The meetings will take place from 4pm followed by a buffet dinner.

There is an annual Lightweighting Guild subscription of £12,000 excluding VAT

If you are interested in joining this Guild please contact the WMG centre HVM Catapult team on: 024 7615 1667 or email: c.m.shepherd@warwick.ac.uk