Talga in Innovate UK Electric Drive Project for Bentley Motors E-Axle

Battery anode and graphene additives provider Talga Resources Ltd ("**Talga**" or "**the Company**") (**ASX:TLG**) is pleased to announce it has been approved for Innovate UK co-funding to support development of an e-axle designed for Bentley Motors.

The OCTOPUS project aims to deliver the ultimate single unit e-axle solution designed specifically to meet Bentley Motors performance specifications via optimised motor and power electronics technology and materials. The project is funded under the Office for Low Emission Vehicles' and Innovate UK's "IDP15: The Road to Zero Emission Vehicles" competition.

Under the project Talga will develop and provide graphene materials for the high performance electric motor windings to deliver an aluminium-based solution aimed at outperforming, and ultimately replacing, the copper windings currently used.

The improved motor windings form part of the project's aim of developing next generation lightweight high performance component systems that integrate the latest advanced materials and manufacturing techniques. The components are to be tested at sub-system and system level for an integration route into future e-axle designs. For further project details see: gtr.ukri.org/projects?ref=105389

Copper windings in EV electric motors components

Talga Managing Director, Mark Thompson: *"We are delighted to engage in jointly developing Bentley Motors' e-axle concept with our consortium partners and are honoured to have earned Innovate UK's continued support.*

The successful use of Talga graphene material to lend aluminium the properties required to outperform copper in electric motors would be a big advancement. For automotive manufacturers this could reduce vehicle weight and increase performance, safety and driving range while retaining sustainability and economics. Lightweight and high performance automotive components perfectly complement our Li-ion battery anode products, and the advancement could pave the way for opportunities to replace copper wire in many large-scale applications globally."

Authorised for release by:

Dean Scarparolo
Company Secretary
Talga Resources Ltd
T: +61 (0) 8 9481 6667

For further information please contact:

Mark Thompson
Managing Director
Talga Resources Ltd
T: +61 (0) 8 9481 6667

Nikki Löf
Marketing & Investor Relations Coordinator
Talga Resources Ltd
T: +61 (0) 8 9481 6667

About E-Axle

The e-axle concept combines electric motor, power electronics and transmission into a compact, cost-attractive electric drive solution for hybrid and battery only electric vehicle applications. One of the factors driving the growth of the e-axle market is the increase in electric vehicles sales and implementation of stringent emission regulations. Automotive manufacturers are focused on the e-axle concept as a way to reduce vehicle weight and improve performance.

About IDP 15: The road to zero emission vehicles

Under the competition the Office for Low Emission Vehicles (OLEV), part of the UK Government Department for Transport and Department for Business, Energy & Industrial Strategy, together with Innovate UK, as part of UK Research and Innovation, are investing in innovation projects to develop low-cost, highly integrated systems that enable zero emission journeys for cars and other vehicles.

About Talga

Talga Resources Ltd (ASX:TLG) is building a European source of battery anode and graphene additives, to offer graphitic products critical to its customers' innovation and the shift towards a more sustainable world. Vertical integration, including ownership of several high-grade Swedish graphite projects, provides security of supply and creates long-lasting value for stakeholders. Joint development programs are underway with a range of international corporations.

Company website: **www.talgagroup.com**