

**Haydale Graphene Industries plc**  
**(the “Company” or “Haydale”)**

**Haydale Patent in China Allowed for Grant**

Haydale (AIM: HAYD), the group focused on the commercialisation of graphene and other nano particle products using their proprietary plasma process, is pleased to announce the successful application for grant of a patent in China.

This Haydale patent is one of a number arising from the families of patent applications surrounding the Haydale plasma process and once administrative details are complete is expected to be granted in August 2015.

Commenting, Ray Gibbs, Haydale Chief Executive said:

“I am very pleased that our application for a patent in China has been allowed. This confirmation that we will soon be granted our first patent is a real milestone in our IP strategy and protects our key technologies. We are continually developing new ideas and, where appropriate, protecting and enhancing our IP with patent applications. In addition, we have over the past 2 years substantially developed our knowhow, which serves to protect our competitive advantage even further. Whilst our focus in the Far East has been mainly Korea, China is of course, a major market. According to some research China is the region with the most graphene related patent applications and a revenue CAGR of 95% to 2020 driven in the main by “graphene” composites.”

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**About Haydale ( [www.haydale.com](http://www.haydale.com) )**

Haydale has developed a patent pending proprietary scalable plasma process to functionalise graphene and other nanomaterials. This enabling technology can provide Haydale with a rapid and highly cost efficient

method of supplying tailored solutions to enhance applications for both raw material suppliers and product manufacturers.

Functionalisation is carried out through a low pressure plasma process that treats both organic mined fine powder and other synthetically produced nanomaterial powders producing high quality few layered graphenes and graphene nano platelets. The process can functionalise with a range of chemical groups, where the amount of chemicals can be tailored to the customer needs. Good dispersion improves the properties and performance of the host material and ensures it delivers as specified.

The Haydale plasma process does not use wet chemistry, neither does it damage the material being processed, rather it can clean up impurities inherent in the raw material. The technology is a low energy user and most importantly environmentally friendly. The Haydale method is an enabling technology where working with a raw material producer can add value to the base product and tailor the outputs to meet the target applications of the end user.

Haydale, based in South Wales, housed in a purpose built facility for processing and handling nanomaterials with a laboratory facility, is facilitating the application of graphenes and other nanomaterials in fields such as inks, sensors, energy storage, photovoltaics, composites, paints and coatings.