## Haydale Graphene Industries plc (the "Company" or "Haydale")

# **Commercial Progress in the Far East**

Haydale (AIM: HAYD), the group focused on the commercialisation of graphene and other nano particle products, is pleased to announce further progress in the Far East, specifically South Korea. These relate to:

- 1. Haydale partners with UK Graphene Exhibit at Nano Korea on 1-3 July 2015
- 2. Establishing new office in Seoul

### UK Graphene Exhibit at Nano Korea

Haydale is pleased to announce its participation in the UK Graphene Exhibit at NANO KOREA 2015. This is an initiative by leading graphene technology companies, research institutes and government agencies within the UK including Haydale, Thomas Swan & Co. Ltd, 2-DTech Ltd. the Centre for Process & Innovation (CPI), the National Graphene Institute – University of Manchester, the National Physical Laboratory and Innovate UK. The event will be supported by UK Trade & Investment.

The exhibit will promote the collaborative approach between material and technology providers, world class universities and government backed laboratories and innovation centres between the two regions.

Korea is a major potential market for Haydale's enabling technology. Graphene is regarded as the next "big thing" in Korea and we believe our technology and UK expertise can make a significant impact. Since entering into our sales and marketing agreement with planarTECH in Korea last August we have met a number of progressive Korean companies and this exhibition will further increase our exposure to the nano community in Korea.

The UK Graphene Pavilion will be located at booth A-O25 in hall ABC at NANO KOREA 2015, Coex, Seoul, Korea. <u>http://nanokorea.or.kr/eng/main/</u>

### Office opening in Seoul

Haydale is in the process of establishing a wholly owned subsidiary in Korea, Haydale Technologies (Korea) Co., Ltd, located at Regus Gangnam Station Center in Seoul. Initially the company will be a sales and marketing office managing companies Haydale has been working with and sampling over the last nine months. Thereafter a centre of excellence will be established to include a Haydale reactor offering both functionalisation and advisory services to Far East customers.

Commenting on the above, Ray Gibbs, Haydale Chief Executive said:

"Our attendance at NANO Korea and the establishment of a new office in Seoul are evidence of Haydale's focus on the key Asian region for the development of new products. This office opening is an exciting strategic development in the push to globalising our enabling technology and is another milestone in the delivery of our strategy to establish centres of excellence across the globe. We are actively working on further initiatives and will announce these as appropriate."

- Ends -

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#### About Haydale ( <u>www.haydale.com</u> )

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.