14 April 2014

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

First day of dealings on AIM

Haydale Graphene Industries plc, the Company focused on enabling technology for the commercialisation of graphene, is pleased to announce the admission today of its ordinary shares to trading on the AIM Market of the London Stock Exchange and the commencement of dealings in its ordinary shares under the ticker HAYD.

The Company has raised £6,600,008 before expenses through a placing of 3,142,861 new ordinary shares at a placing price of 210p per share with a broad variety of institutional and private client fund managers. On admission, the Company has 11,247,823 ordinary shares in issue, giving the Company a market capitalisation of £23,620,428.

The Company will be using the proceeds of the IPO to; expand and broaden the engineering, production, technical and business development teams to support product development; increase the capacity of graphenes and nanomaterials the group is able to functionalise; increase sales and marketing functions; further enhancement and new development of intellectual property and know-how with external partners and for general working capital requirements.

Cairn Financial Advisers and Hume Capital are the Company's Nominated Adviser and Broker respectively.

Overview of the Group

Haydale has developed a proprietary scalable plasma process to functionalise graphenes and other nano materials. Functionalisation is an essential component in the commercialisation of graphenes and graphene nano platelets. Haydale plans to commercialise its functionalisation process by providing value added solutions to both raw material producers and industrial corporations.

Graphene is a recently discovered material which, as a single carbon lattice layer, has outstanding thermal, mechanical and electrical properties. Graphene is stated to have potential applications in significant markets such as battery and energy storage, electronic devices including bio-medical sensors, conductive inks and films plus polymer composite fillers and resins. Graphene is formed from carbon atoms and being inherently inert, is difficult to mix with another material. Industry's challenge is to sympathetically functionalise the graphene sheets and other nanomaterials without damaging them in order that they interact with the target material to either enhance dispersion or bonding or both, and to be able to do this on a commercial scale. Haydale believes it has a solution to this problem.

Subsequent to acquiring Haydale Limited in May 2010 the Company continued to develop a proprietary solution to this problem by taking both mined organic fine powdered graphite and synthetically produced graphenes and treating with the plasma process to surface functionalise the material. The process is effective in enabling dispersion of nanomaterials and particularly performance enhancing graphenes, providing a cost effective solution for the user. In February 2014, the National Physical Laboratory ("NPL") witnessed and positively reported on the process. The Company's proprietary inventions are embodied in its manufacturing machines and the processes performed in them.

The Directors believe that its proprietary process provides Haydale with an opportunity of becoming a key player in the development and commercialisation of graphenes, specifically graphene nanoplatelets and other nanomaterials.

Ray Gibbs, Chief Executive Officer of Haydale, commented:

"At Haydale we believe the properties and potential of graphene will be realised, and that whatever form the supply is, dispersing it properly to make a real improvement is the key to the successful commercialisation of graphenes.

Our successful fundraising and IPO will contribute significantly to the development and progression of our enabling, proprietary plasma technology, which is capable of being tailored to produce a wide range of surface modifications; substantially improving compatibility between the nanomaterials and any matrix or binder material and so unlocking the potential that graphene presents."

- Ends -

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Background information on graphene

A graphene sheet is approximately 1 atom thick. Put into perspective, 3 million graphene sheets stacked together would be 1mm high. Graphene is the strongest, thinnest, and one of the highest conducting materials known to science. Graphene is tougher than diamond, yet light and elastic. It enables electrons to flow rapidly as compared to silicon, is a transparent conductor, and combines both electrical and optical capabilities. It enables development of high speed consumer electronics, information processing solutions, biosensors, super capacitors that could be used in place of batteries, mechanical parts and composites for cars and aircraft. Dispersed into yarns and fibres it could become an anti-static, fire retardant, fully recyclable carpet, or potentially a Kevlar replacement.

The distinctive electronic, thermal and mechanical properties of graphene make it a potentially disruptive technology across a raft of industries.

Current Trading

To date, revenues have included web based sales and research projects. In addition, the Group has received and continues to receive research development grants. The Group has taken advantage of commercial revenue opportunities as they have arisen.

In the period under review, the Company has raised gross funding of approximately £3.8 million, of which approximately £1.2 million was raised in the 6 months ended 31 December 2013. In January 2014, the Company raised approximately a further £0.6 million (gross) of pre – Admission equity finance.

	Year ended 30 June 2011	**Year ended 30 June 2012**	**Year ended 30 June 2013**	**6 months ended 31 December 2013**

	£	£	£	£
Revenue and other income	**18,438**	**133,171**	**145,742**	**58,104**
Operating loss	**(656,797)**	**(642,029)**	**(1,056,337)**	**(580,116)**
Loss for the year / period	**(582,380)**	**(608,532)**	**(992,380)**	**(568,239)**
Cash & Bank balances	**16,828**	**149,313**	**54,464**	**758,322**
Net Assets	**627,644**	**1,185,903**	**992,125**	**1,588,241**

History

The Group was formed in April 2010 to acquire Haydale Limited, a research and development business, which was established in 2003 specialising in the novel use of plasma in the treatment of nanoparticles, in particular graphene and CNT's. The Company is based in South Wales.

Milestones

Date	Milestone
May 2010	Haydale's present CEO, Ray Gibbs, joins.
December 2010	Company filed priority date application for an enhanced plasma process incorporating novel use of metal balls. The Group had previously carried out extensive research work on carbon based structures and especially CNTs. The result of the work was Haydale's split plasma process, by which it is able to purify and surface engineer carbon based nanomaterials to meet the needs of a wide range of end users.
February 2011	Haydale offers CNTs and GNPs produced from the plasma treatment of mined graphite powder, sampled and sold through a US based website (www.cheaptubesinc.com). Haydale reviewed its sales channels and the agreement was terminated by mutual consent in May 2013.
November 2011	Initial scale-up proven by commissioning a new reactor (HD100). Haydale launches its HDPlas™ brand.
April 2012	Moved into temporary facilities pending fit out of new purpose built factory and laboratory.
December 2012	Commenced research into conductive GNP based ink.
January 2013	Web based sales facility constructed to address the R&D market.
May 2013	Company's purpose built nanomaterial handling and production facility in South Wales completed at a capital cost of £0.5million.
June 2013	HDPlas™ graphene based ink officially launched at the Graphene Commercialisation and Applications Exhibition in London on 25 June 2013. Received Welsh Economic Growth Fund grant of £114,480.
November 2013	Haydale announces that it had signed a distribution agreement with AMG Mining AG ("AMG Mining"). AMG Mining to act as exclusive distributor in Germany for Haydale's branded HDPlas™ GNPs. AMG Mining is a major and long established international supplier of graphite based products and is aiming to use Haydale's plasma functionalisation technology to extend its product range and add value to its raw materials.
December 2013	Haydale lists its HDPlas™ range of materials for trade on INSCX™ exchange. INSCX™ is the world marketplace for organisations seeking nanomaterials, nanocommodities, objects

	and devices. Merchant member Fullerex has been appointed by Haydale as its agent, through which they will instruct trade on the market.
January 2014	Haydale closes fundraising round with an additional £1.85million. ISO 9001 awarded.
February 2014	Haydale agrees a non-exclusive distribution agreement with US based Graphene Laboratories ("GL") to sell its GNPs. The products will be sold through the GL owned internet site known as 'Graphene Supermarket'. Purchase order raised with specialist plasma manufacturer Tantec A/S for the supply of a reactor for increased capacity and continuing development. A memorandum of understanding was signed with regard to future collaboration for global supply and maintenance contract for reactors. Structured the Board of Directors to meet AIM requirements and for the next phase of the Company's development. The National Physical Laboratory witnessed and positively reported on Haydale the process.
March to date 2014	Company converts to public limited company. New employees Dr. Martin Kemp and Dr. Chris Stirling recruited to boost the marketing and technical potential of Haydale. Marie Davis joined to take over Project management and all aspects of logistics and supply chain. Company establishes a technical advisory panel.

Board of Directors

John Knowles, Chairman (aged 71) BSc Eng (Hons)
John Knowles has significant nanotechnology experience. He was until recently chairman of NanoSight Limited (sold to Spectris plc) and currently is the chairman of the Nanotechnology KTN Advisory Board. He is a member of UK Government's Nanotechnology Strategy Forum. His 30 years' experience includes 2 years as MD of a Morgan Crucible subsidiary and chairman/director of several successful technology companies- including Davin Group Ltd, Stratophase Ltd, Michelson Diagnostics Ltd.

Tony Belisario, Deputy Chairman (aged 63) B Tech (Hons)
Tony Belisario is a chartered engineer who has spent most of his working life in management in manufacturing businesses using diverse technologies operating in global markets. In addition, Tony he also managed businesses backed by private equity and has led an MBO. Currently, in addition to being part time deputy chairman of HGI he serves on the Council of Brunel University.

Ray Gibbs, CEO (aged 59) FCA
Ray Gibbs is a Chartered Accountant, and former Deloitte audit and corporate finance partner for 9 years. He has spent the last 18 years in industry as CFO or commercial director of high technology and fast moving consumer goods businesses both in the quoted and private arenas with sales ranging from £500,000 to £500 million. He was a former CFO of Chemring Group Plc.

Dr. Chris Spacie, CTO (aged 56) C.Eng, M.I.M.M.M
Chris Spacie is a materials scientist and Chartered Engineer with over 30 years of experience in commercial R&D, process innovation, plant design and manufacturing. He was formerly technical director of Morganite Electrical Carbon Ltd. a division of Morgan Crucible Plc and is a primary inventor in fields such as fuel cell materials, composites and ballistics.

Matt Wood, Finance Director (aged 40) ACA BA (Hons)
Matt Wood is an experienced professional having worked as a financial and non-executive director with a variety of companies with a background in AIM listed small-cap corporate finance. He will work part time until

the business needs a full time finance director. He currently is part time finance director for Sula Iron and Gold plc and is non-executive director for Avarae Global Coins plc and Westminster Group plc.

Graham Eves, NED (aged 68) MA
Graham Eves joined GKN plc in 1967 where he spent 13 years operating across multiple overseas jurisdictions including, for the last 5 years, setting up and running a special operation for GKN plc's head office in Switzerland. He returned to the UK in 1980 to work in venture capital and establish his own international business consultancy. His main activities covered advising a range of German, North American and Japanese automotive component/technology suppliers and he co-founded and was chairman of an automotive technology company, Mechadyne (now part of Kolbenschmidt Pierburg AG). He was also chairman of PCB manufacturer, Lyncolec Limited, chairman of a special security company and a director of 3PC Investment Trust. Graham is a Non-Executive Director of AB Dynamics and was directly involved in the AIM flotations of AB Dynamics plc, Antonov plc and Transense Technologies plc. He was on the AIM advisory committee of the London Stock Exchange for 6 years and has a Master of Arts degree in Modern and Medieval Languages from the University of Cambridge.

Roger Humm, NED (aged 55) MBA BSc (Hons) FCA
Roger Humm is a commercial and financial director with over 20 years in industry with extensive understanding of technology businesses. Having held positions as a finance director and company secretary in public & private settings, he has accumulated knowledge of capital transactions covering funding, acquisitions, divestments, in- and out-licensing and spin outs. He is currently part time vice president of finance of AIM quoted Ixico plc.

Roger Smith, NED (aged 61) BSc Physics
Roger Smith is a senior vice president of Petrofac Plc where he manages a $50 million turnover division. He has spent 35 years in the oil and gas industry and has set up and sold 2 successful engineering consulting companies.