10 September 2015

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

Haydale Subsidiary Haydale Composite Solutions Limited ("HCS") signs a letter of intent to enter into a Joint Development and Commercialisation Agreement with Huntsman Advanced Materials (Switzerland) GmbH ("Huntsman")

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 that its composites division, Haydale Composite Solutions Ltd ("HCS"), has signed a letter of intent as a first step in agreeing a joint development and commercialisation agreement with Huntsman Advanced Materials (Switzerland) GmbH ("Huntsman"), a leading global manufacturer of epoxy, acrylic and polyurethane based polymer products.

Pursuant to the agreement Haydale will functionalise Graphene Nano Platelets ("GNPs") utilising its proprietary HDPlas® process and add them to Huntsman's ARALDITE® resins to create a highly loaded masterbatch. Under the proposed agreement, it is anticipated that Huntsman and HCS will develop and validate the use of GNPs in ARALDITE® epoxy resins, utilising HCS's proprietary HDPlas® process. The ultimate objective of the collaboration will be to commercialise graphene enhanced ARALDITE® resins for a range of applications in the composites market.

Gerry Boyce Managing Director of HCS said:

"We are highly excited about working with a world leading resins company and to developing markets and applications for these new graphene enhanced ARALDITE® resins. We see graphene enhanced polymer resins and their use in composite materials as being a revolution. This work opens up the potential for a whole new range of advanced composite materials and products with enhanced performance and lower cost."

Dr David Hatrick, European Technology Director at Huntsman Advanced Materials said:

"We are pleased to be working closely with HCS on this exciting opportunity. The combination of HCS's expertise in functionalised GNPs and our capabilities in epoxy chemistry should create multiple new opportunities to meet the needs of the growing composites market."

Ray Gibbs, Haydale Chief Executive, added:

"We have identified the composites market as a strategic sector for our functionalised graphene and other nano materials with HCS being a fundamental route to market for our plasma functionalised materials. This agreement represents a major opportunity to work with a global partner to develop a whole new range of formulated resins with enhanced properties which they can sell into the composites' market across the world."

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About Haydale (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.

About Haydale Composite Solutions (HCS)

Haydale Composite Solutions is a recognised composite R&D and testing house, based in Loughborough. HCS customers include significant corporations such as National Grid, SSE, Eirgrid, Chevron, Anglian Water, Severn Trent Water, Yorkshire Water, and 3M.

HCS has developed a reputation for delivering innovative solutions in the commercial applications of advanced polymer composite materials working with global companies over more than 20 years. HCS is focused on a range of market sectors including pipe lining for the oil, gas and water industries, infrastructure for electricity and energy sectors plus the marine and transportation markets.

HCS competence spans the entire development cycle from applied research, product design, process development, product testing, and certification, to setting up manufacturing plants. HCS also works with OEMs and end-users to develop and provide composite solutions with demonstrable clear technical, economic and environmental benefits over existing structures currently manufactured in traditional materials such as steel, aluminium, wood or concrete.

About Huntsman

Huntsman Corporation is a publicly traded global manufacturer and marketer of differentiated chemicals with 2014 revenues of approximately $13 billion including the acquisition of Rockwood's performance additives and titanium dioxide businesses. Our chemical products number in the thousands and are sold worldwide to manufacturers serving a broad and diverse range of consumer and industrial end markets. We operate more than 100 manufacturing and R&D facilities in more than 30 countries and employ approximately 16,000 associates within our 5 distinct business divisions. For more information about Huntsman, please visit the company's website at www.huntsman.com

About Huntsman Advanced Materials

The Huntsman Advanced Materials division is a leading global chemical solutions provider with a long heritage of pioneering technologically advanced epoxy, acrylic and polyurethane based polymer products. Our capabilities in high-performance adhesives and composites serve over 2000 global customers with innovative, tailor-made solutions and more than 1500 products which address global engineering challenges.

For more than 60 years Huntsman Advanced Materials, as a global partner and innovator, produces and develops knowledge based specialty components for high-end-performance industrial products. The company's unique portfolio includes a broad range of epoxy resins and formulated systems which appeal to companies working in challenging markets who want to be at the forefront of innovation and product development. For more information about Huntsman Advanced Materials, please visit our website at www.huntsman.com/advanced_materials