

Creating Material Change

Corporate Presentation

October 2017

haydale

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Creating Material Change

Industry leader applying advanced materials, including graphene, to enhance existing products across a wide range of industries

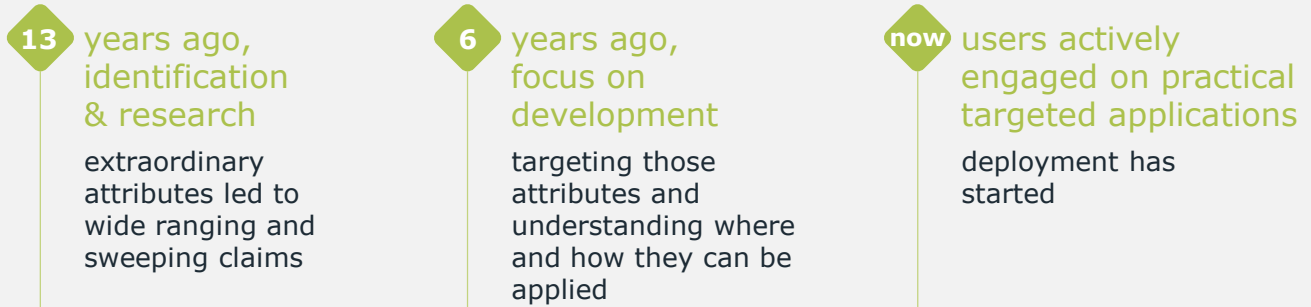
We bring advanced engineering and materials know how to unlock the performance potential of targeted next generation products

Advanced materials & graphene markets

Significantly improves material properties including mechanical, electrical and thermal attributes

Here, and here to stay.

These materials have moved through an R&D cycle:



Graphene is now, following many years of testing, starting to be deployed across a number of industries

Significant UK government and public investment to research graphene and other 2D materials, identifying commercial opportunities

Haydale's positioning

Operating via a global footprint, Haydale's advanced materials are **designed into** clients' next generation products

Bespoke, precise, consistent products. Haydale:

Identifies everyday products that can be enhanced by the introduction of advanced materials

Works in close partnership with manufacturers' pre-existing production processes

Delivers specific, engineered products aimed at billion dollar markets

"Further to the announcement in February 2017, a production trial was held in early April using Haydale graphene nano platelets and initial tests are encouraging. Flowtite have requested a second trial to repeat and corroborate the first set of results and this is scheduled for early 2018."

Nick Crofts CEO - Amiblu Holding GmbH

"Our work with Haydale has shown that significant performance improvements can be achieved whilst maintaining processibility of the resins, overcoming a key challenge."

Dr David Hatrick, VP of Innovation, Huntsman Advanced Materials

"We believe the Haydale plasma reactor presents a cost effective way to functionalise graphene, and other 2D materials in a reproducible and controlled way."

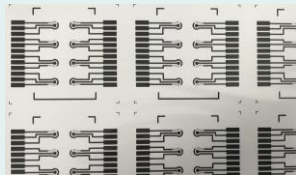
Tom Taylor, Director of CPI

Examples of advanced materials in use today

Composites



Medical Sensors



Cutting Tools



Cookware



Global footprint

6

Locations

11

Reactors

65

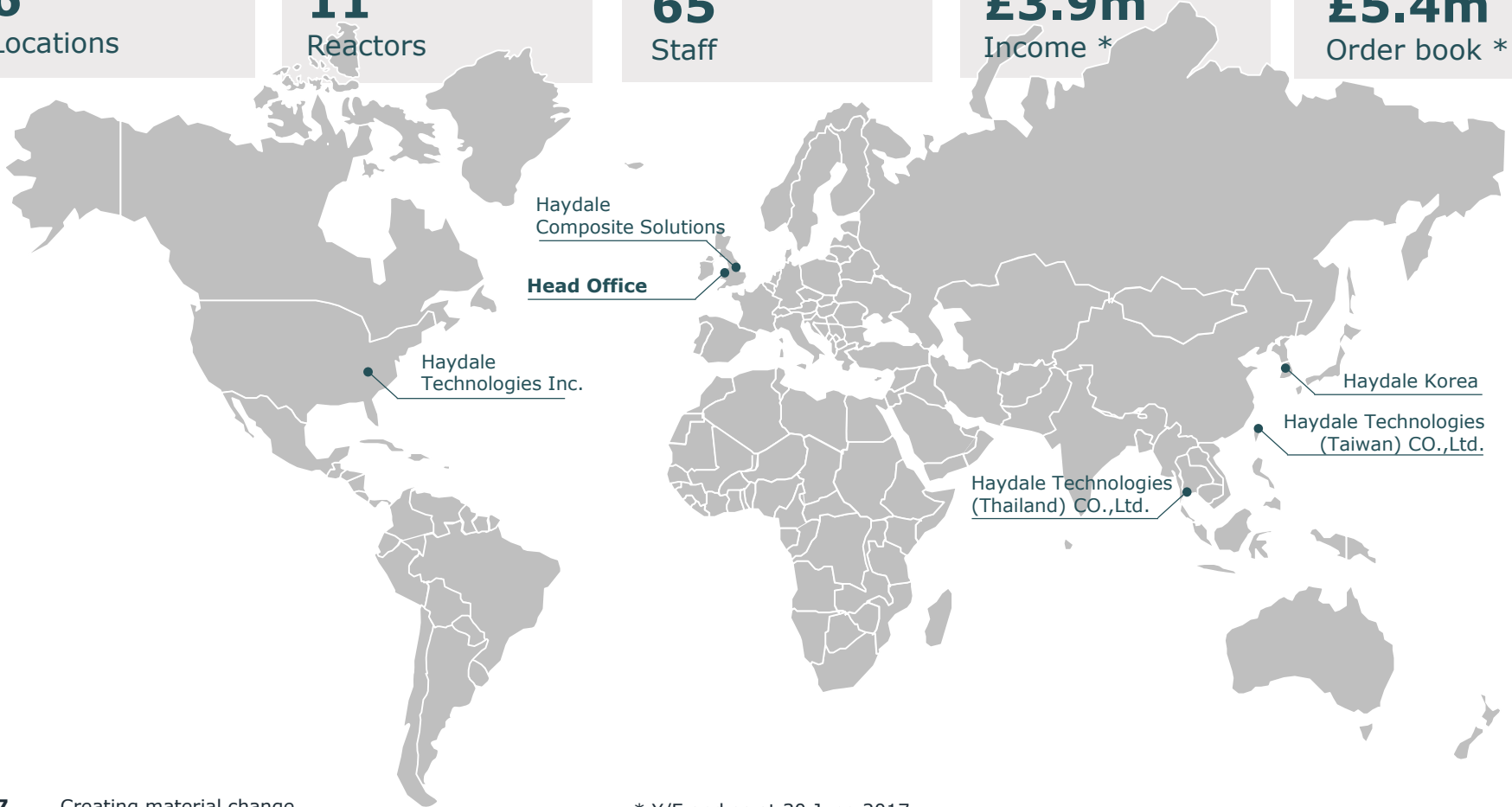
Staff

£3.9m

Income *

£5.4m

Order book *



Sales focused

Facilitating fast, cost-efficient supply of material applications to a growing customer base

Created two sales divisions from 1 July 2017:

RPC

Resins, Polymers
and Composites



Composites

Enhanced electrical conductivity

Enhanced thermal conductivity

Improved strength and longevity

Uses include:

- Electronics
- Aviation
- Wind turbine blades
- Pipes
- Automotive

AM

Advanced
Materials



Printing (e.g Inks)

Increased processing speed

Specific formulations

Masterbatch

Uses include:

- Medical sensors
- Wearables
- Automotive



Silicon carbide
whiskers

Tough and durable

Uses include:

- Ceramic cutting tools
- Technical ceramics
- Protective coatings

Recent activity

RPC

Resins, Polymers
and Composites



Composites

Airbus – Lightning strike and De-Icing

BAC Mono – Collaboration project for highly acclaimed Mono super-car

Flowtite Technology – JDA to develop “graphene” enhanced GRP pipes

AM

Advanced
Materials



Printing (Inks)

Cookware – Product testing prior to early 2018 launch

Medical sensors – Supply of graphene pastes for blood glucose test strips



Silicon carbide
whiskers

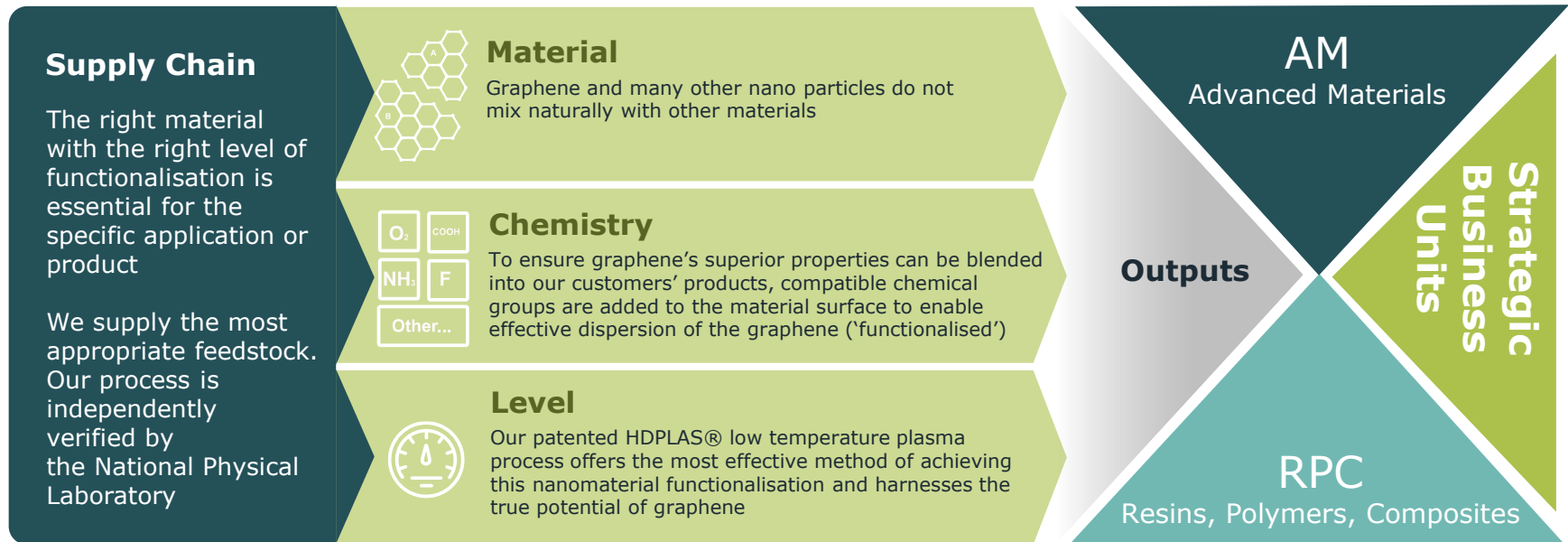
Everpower – Supply of SiC and 3D PLA masterbatch

Tateho – \$4.6m supply agreement for SiC enhanced ceramic cutting tools

Our technologies/products

Our process

Our HDPLAS® process delivers a growing portfolio of (MATech™) products with unprecedented performance



The Board & Senior Management



David Banks

Non-executive Chairman

David Banks started in Stock Broking in Birmingham in 1979 with Harris, Allday, Lea and Brooks before moving to London and becoming an institutional salesman at Panmure Gordon where he was acclaimed in the Automotive, Engineering, Aerospace and Motor Distributors sectors. He subsequently became a corporate broker advising many companies on their corporate structure, strategy, messaging and presentations.



Matt Wood

Chief Financial Officer

Matt has worked in the financial sector for almost 20 years and has served on the board of AIM Companies for more than 10 years. A fellow of the Institute of Chartered Accountants in England and Wales, Matt, who joined Haydale in April 2017, has overall responsibility for the Group's financial matters.



Roger Humm

Non-Executive Director

Roger is a chartered accountant with over 30 years technology business experience. He runs his own consultancy business and has recently held finance roles with Ixico plc and G-Volution plc and is currently a director at OMass Technologies Limited and Oxford Instruments Pension Trustee Limited. Roger is chairman of Haydale's audit committee and a member of its remuneration committee.



Trevor Rudderham

Managing Director, Advanced Materials SBU

Trevor Rudderham joined Haydale Technologies Inc. as President and CEO, following Haydale's acquisition of Advanced Composites Materials, in 2016. Trevor now heads up the Advanced Materials Strategic Business Unit (AMAT SBU) that principally hosts the Group's SiC products and the newly developed graphene inks and pastes. Trevor's role as MD of AMAT SBU is to focus on driving product delivery and sales. Trevor brings a 35-year long career in the automotive industry, in which he held senior positions at Blue Bird Corp. and Ford Motor Co. in the UK, Germany, and the US, which the Group will look to utilise as it continues to service the automotive industry with its graphene-based inks. Trevor was also a founder and officer of Carbon Motors Corp. – a new American automotive company. Trevor has a B.Tech (Honors, First Class) in Automotive Engineering from Loughborough University in the UK and attended Ford's executive management training at INSEAD, France.



Ray Gibbs

Chief Executive Officer

Ray was appointed CEO of Haydale in January 2013. Since then he has set the company strategy and defined the market focus into composites, inks/coatings and complimentary nanomaterials, culminating in a successful IPO on the AIM market in April 2014. Ray has been involved at Board level with high tech industry for over 20 years, with sales ranging from £500,000 to £500m.



Roger Smith

Executive Director

Roger has over 30 years business experience in the oil, gas and energy sectors. During this time he has set up and subsequently sold two successful consulting businesses. He has held the post of Commercial Director for Bureau Veritas SA and most recently was a Senior Vice President at Petrofac Plc. Roger has a degree in Physics from the University of Southampton.



Graham Eves

Non-Executive Director

Graham runs his own international business consultancy. He has advised a range of German, North American and Japanese automotive component/technology suppliers. Graham is also a Non-Executive Director of AB Dynamics. Graham is a member of Haydale's audit committee and is chairman of the remuneration committee.



Keith Broadbent

Managing Director, Composites SBU

As Managing Director of the Resins, Polymers and Composites SBU (RPC SBU), Keith concentrates on marketing and selling the newly developed graphene infused carbon fibre pre-impregnated materials. Keith has a track record of strategically implementing increased efficiency and significant bottom line improvement in the most challenging of manufacturing and field installation environments whilst being able to manage highly specific customer needs and will draw on this extensive experience as MD of this SBU. Keith's experience includes having worked as operations director at Princess Yachts International and at Sunseeker where he was part of the senior management team. Keith has an MBA in Strategic Management; a Postgraduate Diploma in Management Studies and a 2(i) BA (Hons) Degree in English.



Thank you

