Agri-tech Trade Mission to Türkiye

1-5 February 2023

Meet us at AgroExpo Hall A 2052

GREAT
BRITAIN & NORTHERN IRELAND

About the Department for International Trade (DIT)

We secure UK and global prosperity by promoting and financing international trade and investment, and championing free trade.

The range of expert services is tailored to the needs of individual businesses to maximise their international success. Companies are given advice and practical support, and staff can assist at all stages of the business planning cycle, from inception to completion.

The UK's commitment to support global investment is unparalleled. Our international network provides a global reach in 170 countries. Staff work to ensure global businesses can invest successfully in the UK.

We are an international economic department, responsible for delivering 4 priority outcomes.

Secure world-class free trade agreements and reduce market access barriers, ensuring that consumers and businesses can benefit from both.

Encourage economic growth and a green industrial revolution across all parts of the UK through attracting and retaining inward investment.

Support UK business to take full advantage of trade opportunities, including those arising from delivering free trade agreements, facilitating UK exports.

Champion the rules-based international trading system and operate the UK's new trading system, including protecting UK businesses from unfair trade practices.

Department for International Trade

Agribot AI

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Agribot AI aims to drastically reduce price volatility in food markets. We use cutting-edge AI, Earth Observation, drones, IoT and Applied Climatology to keep an ever-watchful eye on what is happening in real-time to create the next-generation crop yield productivity forecast models. These highly efficient models work at both macro and micro scale.

Since Agribot uses all types of available data from radar satellites, drone multispectral, images taken by a grower's phone, and even IoT devices in the soil, we provide a continuous data feed whether you are interested in one field or a whole continent. Our new science-based climatology models based on academic research then use our hyper-accurate understanding of conditions today, to make seasonal yield and production forecasts.

This data is used by governments to be proactive to food supply volatility, commodity traders to better understand future price movements and farmers when choosing the best variants to grow for the coming seasons. With the insurance sector's interest in using it to create far fairer and equitable revenue protection and agrochemical corporations interred in predicting product demand, there is no end to whom and how our data can help the agriculture sector.

Croda Chemicals

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Established in 1925, we are driven by a focus on our customers, collaborative working, a proactive attitude and the ability to think differently. We encourage our people to work as a unified global team and alongside our customers to find new and sustainable ways to satisfy unmet needs. This means over 6,100 passionate employees in manufacturing sites, laboratories and offices worldwide work with a shared Purpose: using Smart science to improve lives™.

We design and produce high performance formulation aids and adjuvants for agrochemical applications, meaning you can accomplish even the most challenging formulations. Our wide range of products cover many areas such as drift reduction technology, uptake enhancement adjuvants, superior rheology modifiers, high electrolyte solutions and advanced dispersant technology.

Our products can be used across multiple agrichemical markets such as: Traditional pesticides; Biopesticides; Fertilisers; Micronutrients; Soil health; Seed treatment; Biostimulants; Drone applications.

2020 was a milestone year for Croda as we launched our Purpose: Smart science to improve lives™. Living this includes a Commitment to become the most sustainable supplier of innovative ingredients, providing solutions to some of the world's biggest challenges in the coming decades through our commitment to be Climate, Land and People Positive by 2030.

Participating Companies

Dyneval

Dr Tiffany Wood, Chief Executive Officer
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Dyneval is a Scottish start-up that has developed an award-winning and patented technology to bring precision and user-independent technology to the farm allowing for reliable semen quality assessments within minutes. Dynescan helps the livestock production industry move towards net zero by using healthy semen with optimum motility to improve production efficiency.

Dynescan is a robust and portable instrument for precisely measuring bovine and other species' semen quality. Dynescan's automated, lab-quality and user-independent technology can analyse fresh, frozen, or sexed semen within minutes without needing additional equipment. Dynescan requires minimum training and can be used in a clinic, lab, or by the pen side.

Dynescan's automated measurements deliver precise and consistent user-independent results with minimum training. Thanks to its dual mode, users don't need additional instruments to perform a visual semen assessment. The unique "Dyneval mode" allows measurements of progressive motility over time to help identify key differences between semen samples. AI technicians, genetic companies, vets and farmers using a Dynescan can make well-informed decisions to optimise conception rates, therefore, better livestock management.

Company Seeks

Dyneval wants to meet with AI technicians, genetic companies, vets, farmers and agriculture support organisations willing to find new ways to improve food production efficiency, increase profits and reduce methane emissions. We are eager to discuss commercial and research opportunities in bovine and other species.

We are looking for local partners who can distribute and/or provide services on our behalf.

Dyneval is also looking for investors interested in Livestock Industry.

EmTech Hatchery Systems

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Having been founded on a wealth of experience with over 25 years of knowledge, we recognise the importance of getting the best results. Not only from new equipment, but from your existing systems too.

Respect for our innovation and creativity throughout the hatchery industry has earned EmTech many valuable orders worldwide, cementing their place as one of the leading and most dynamic incubation and hatchery ventilation suppliers in the market today. Due to the 'zero-point-six' bandwidth, EmTech incubation systems are producing better-conditioned chicks that perform very well on the farm with lower 7-day mortality and higher FCR.

This has created a great deal of interest worldwide with healthy sales of our single and multi-stage systems from the USA, Australasia, Europe, Latin America and Asia. One of Europe's largest independent day old chick producers has invested heavily in EmTech's new multi-stage and single-stage incubators and ventilation equipment to expand three of their flagship hatcheries.

EmTech also supplies a full range of single-stage, multi-stage and game bird incubation systems to suit small producers and large commercial operations alike.

Most EmTech systems are available with a wide range of tray types to suit almost all commercial hatcheries worldwide, and incorporate a host of sophisticated control and management innovations for simplicity of operation and energy efficiency.

EmTech also manufacture a standalone, ventilation, chilled water and heat recovery system that provides all of the necessary services to support setters and hatchers, without having to upgrade existing ventilation systems.

EmTech has a comprehensive product range allowing customers to find a system that suits their exact requirements.

Entocycle Ltd

William Bisset, Chief Operating Officer
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We're Entocycle, the insect technology company. We launched in 2017 with a mission to accelerate a global shift to sustainable protein using insects, technology and innovation. Our world-leading proprietary technology includes computer vision, automation, and machine learning to enable efficient and scalable insect farming.

Insects are a highly efficient protein production technology, requiring far less land, water, and development time than traditional protein sources. By reducing our agricultural footprint, we can restore our natural world and its fragile ecosystems.

We are interested to talk to large poultry feed producers, waste management companies and maybe aqua feed companies.

GENUS plc

Mr. Bryn Jones, Bovine Business Manager
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Genus PLC is a world-leading animal genetics company. We supply high-quality breeding animals with desirable characteristics to farmers, enabling them to produce better quality meat and milk more efficiently to feed the world more sustainably. Our breeding animals' desirable characteristics include feed efficiency, disease resistance, growth rate, protein and fat content, and fertility. We focus on serving progressive farmers, who are best placed to measure and realise the benefits of superior genetics and technologies. We analyse animals' DNA and look for markers that we know are linked to desirable characteristics for farmers. We then select animals with the strongest genetic profile from our proprietary and partner herds and breed them to produce even better offspring, in a continuous cycle. We distribute these superior animals to customers in the form of animals, semen or embryos. We also own technology that enables us to process semen for desirable traits, such as female sex for the dairy market, and license-in technology to make precise gene edits to animals' DNA, which we are employing in our R&D programmes to produce animals which are resistant to fatal disease.

Legume Technology

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Legume Technology was established in 2000 and has steadily grown by customer referrals and by providing consistently high – quality effective inoculant products for legume crops – soybeans, lupin, Lucerne, peas among others as well as providing mycorrhizal and bacillus based bio stimulants for large variety of crops including wheat, corn and sunflower to increase the resistance against drought, assist with faster germination and phosphate solubilisation.
The sterile manufacturing process is key to the success, making sure all the products are axenic, meaning our customers receive 100% pure and freshly made culture.

Our high commitment to Research and Product Development is also evident by our cooperation with well-known academy and industry partners such as University of Oxford, John Hutton Institute and Aarhus University, coupled up with independent field trials, researching for the best strains in the best formulations, that allows us to show visible yield increases in any crop we work with.

Legume Technology has a worldwide distribution in more than 35 countries.

Department for International Trade
The UK's Department for International Trade (DIT) helps businesses export, drives inward and outward investment, negotiates market access and trade deals, and champions free trade.

We are an international economic department, responsible for:
• supporting and encouraging UK businesses to drive sustainable international growth
• ensuring the UK remains a leading destination for international investment
• opening markets, moulding the trade environment with new and existing partners which is free and fair
• using trade and investment to underpin the government's agenda for a Global Britain and its ambitions for prosperity, stability and security worldwide.

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