# It’s time to #GetBizzy

Entrepreneurs play an important role in driving economic growth and innovation. Whether they’re establishing a new service or inventing a product, entrepreneurs can change the lives of people across the world with their creations.

Today (21 August) is World Entrepreneurs’ Day, a global event that raises awareness of entrepreneurs and the work they do.

Our register holds data for more than 4.2 million companies. The number of young directors aged 16-24 has grown by 35% over the last 5 years, from 87,477 in 2014 to 117,810 as of July this year.

As an organisation firmly committed to supporting the government’s Industrial Strategy, we want to play our part to make sure the UK remains the best place to do business in the future.

That’s why we’re launching our #GetBizzy campaign in partnership with the Great British Entrepreneurship Awards. Our aim is to help inspire the country’s next generation of entrepreneurs and make sure 16-24 year olds are aware of who we are, what we do and how our tools and resources can help them take their business ideas to the next level.

Our chief executive and the Registrar of Companies in England and Wales, Louise Smyth, said:

> As an organisation, we aim to support the government’s Industrial Strategy by driving confidence in the UK economy.
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> It’s incredibly important, therefore, to recognise both the work of young entrepreneurs and the positive contribution they are making to the UK’s business environment.

Our blog has a range of information about company services and the information we hold on the register. Over the coming months, our #GetBizzy campaign will feature guest blog posts from organisations across the UK who support young entrepreneurs. We’ll also share the stories of start-ups and established businesses set up by young entrepreneurs.

So if you’re a young entrepreneur looking to grow your business, or perhaps you have your business idea but don’t know where to start, it’s time for you to #GetBizzy and make the most of our tools and resources.

# British built Mars rover gets the gift of sight

The ‘PanCam’ apparatus is the scientific ‘eyes’ of the rover, which will give scientists a view of the Martian terrain and geological features so that they can drive the rover named after the British scientist Rosalind Franklin who co-discovered the structure of DNA.

The rover will be able to observe Martian atmospheric phenomena like its fierce dust storms that cover the entire planet lasting for many months. and water in the atmosphere.

The UK is taking a leading role in the Rosalind Franklin Mars rover, part of the European Space Agency’s (ESA) ExoMars mission to examine the geological environment on Mars, which is 140 million miles on average away from Earth, and search for evidence of environments that may have once, and perhaps could still support life.

Jo Johnson, Science Minister said:

> The UK is determined to play a leading role in the new space age, with our innovative companies and world-class universities exploring the Solar System and bringing the benefits of scientific discoveries back to Earth.
>
> The supremely complex Rosalind Franklin Mars rover is a testament to the strength of the UK space industry, our scientific experts, commitment to the European Space Agency and our support for international collaborations in research.

With funding and support from the UK Space Agency and European Space Agency (ESA), PanCam was developed in Britain by scientists from UCL’s Mullard Space Science Laboratory (MSSL), working with the University of Aberystwyth and dozens of other experts across the UK in partnership with colleagues in Switzerland, Germany, Austria and scientists from 9 nations.

Professor Andrew Coates, PanCam Principal Investigator from the UCL Mullard Space Science Laboratory, said:

> PanCam is the most sophisticated scientific camera system ever to be sent to the surface of Mars and is part of a mission that has the best chance yet of discovering life beyond Earth.
>
> Our wide angle cameras will do more than is possible with human eyes by identifying water-rich minerals and studying water and dust in the atmosphere. They also will map the rover’s surrounding in 3D, the High Resolution Camera will add rock texture and detail,

> and can watch for hazards underneath the rover.
>
> Our engineering team has dedicated more than fifteen years to delivering PanCam, and it's thrilling to see all their hard work now being added to this amazing rover. We proposed the instrument in 2003, merged competing teams, designed, built, tested and calibrated the instrument with a fantastic UK and international team. Now we are ready to go. Next stop Mars.

The camera system was fitted to the rover at Airbus Defence and Space in Stevenage, Hertfordshire, which is building Rosalind Franklin.

UK scientists from the University of Leicester and Teledyne e2v are also working on the rover's Raman Spectrometer, a powerful tool for the identification and characterisation of Martian minerals. The UK Science and Technology Facilities Council is providing some of the electronics, including the data processing board.

ExoMars – Moving on Mars

Colin Paynter, Managing Director of Airbus Defence and Space UK said:

> ExoMars is Europe's latest flagship space mission and Airbus is at the heart of it.
>
> Today's installation in Stevenage of the powerful PanCam which will not only provide 3D images of the Martian landscape but also data on the atmosphere is a major milestone as we move forward to the rover being ready to fly in July 2020.

The UK Space Agency is the second largest European contributor to the ESA-Roscosmos ExoMars mission, having invested €287 million in the mission and £14 million on the instruments. This, in addition to successful negotiations with ESA, secured key mission contracts for the UK space sector.

Later this month Rosalind Franklin will begin its long journey to Mars – leaving the UK for testing in Toulouse before launching to the red planet next summer (2020).

The UK is a leading member of ESA. In June the UK led Comet Interceptor mission, proposed and led by UCL researchers, was selected by ESA. This mission will send a spacecraft to chase down, observe and study a comet which has never previously encountered the inner Solar System giving us vital information about the conditions of the early Solar System and understand its formation.

The Government's modern Industrial Strategy is backing businesses to succeed by increasing investment in science, because countries that invest in ideas create more opportunities for business. The ambition is for the UK be the world's most innovative economy – and the development of the ExoMars rover

for the UK is a part of this ambition.

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# Movement authorisation and timber plant passporting in Kent

The controls restrict the movement of all spruce material, including trees and wood with bark, isolated bark and wood chip with bark that originated within 50km of the larger eight-toothed European spruce bark beetle (Ips typographus) outbreak site. This 50km area is known as the demarcated area. View the Ips typographus notice map

Ahead of a wider introduction of timber plant passporting in December 2019, the system is being piloted in South East England as a precautionary measure to protect against the spread of Ips typographus.

Additional controls mean that spruce material must be accompanied by a plant passport if it is to be moved, and destined for a Forestry Commission authorised processor or end user. This applies to the movement of material both within and out of the demarcated area. Any movement of this material will be subject to inspection by Forestry Commission Plant Health Inspectors before dispatch. Any material known to be infested cannot be moved with a plant passport, and can only be moved under strict controls defined by a Statutory Plant Health Notice.

Processors or end users can now apply for authorisation to receive and process spruce material from the demarcated zone, providing it has been inspected and is deemed to not be infested. You can access the application form and Q&A document, which contains more information on these controls, on GOV.UK.

Introducing plant passports for timber movement within Great Britain will enable the UK to retain its recognition by the European Union as a Protected Zone for conifer bark beetles and other known and emerging pests, protecting the UK’s commercial and conservation interests in forests and woodlands, and enabling the forestry sector to maintain high standards of biosecurity.

Timber that is bark-free can be moved without the requirement of a plant passport. The controls will remain in place until further notice, but will be kept under review.

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## Detailed guide: Selling F gas or equipment

Your responsibilities as a fluorinated gas (F gas) wholesaler or reseller.

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## Detailed guide: Checking F gas equipment for leaks

Your responsibilities to check equipment for fluorinated gas (F gas) leaks.