



Transformative technologies: Jobs for 'Generation Z'

Richard Byard
Director of Business Development





Oxfordshire: Already a 'global asset' to the UK economy



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As well as having one of the strongest economies in the UK, we are already globally-competitive across many key sectors.

This includes the automotive, life sciences, space technologies, and electronics and sensors sectors.

Oxfordshire: Already a 'global asset' to the UK economy

Key assets in the county include the internationally-renowned and government-backed enterprise zone, Science Vale UK.

It boasts world-class research and development sites including; Harwell Campus, Culham Science Centre and Milton Park.



Oxfordshire: Already a 'global asset' to the UK economy

In addition, we are home to the Times Higher Education number one-ranked university in the world, Oxford University – which continues to lead the way in innovative research.





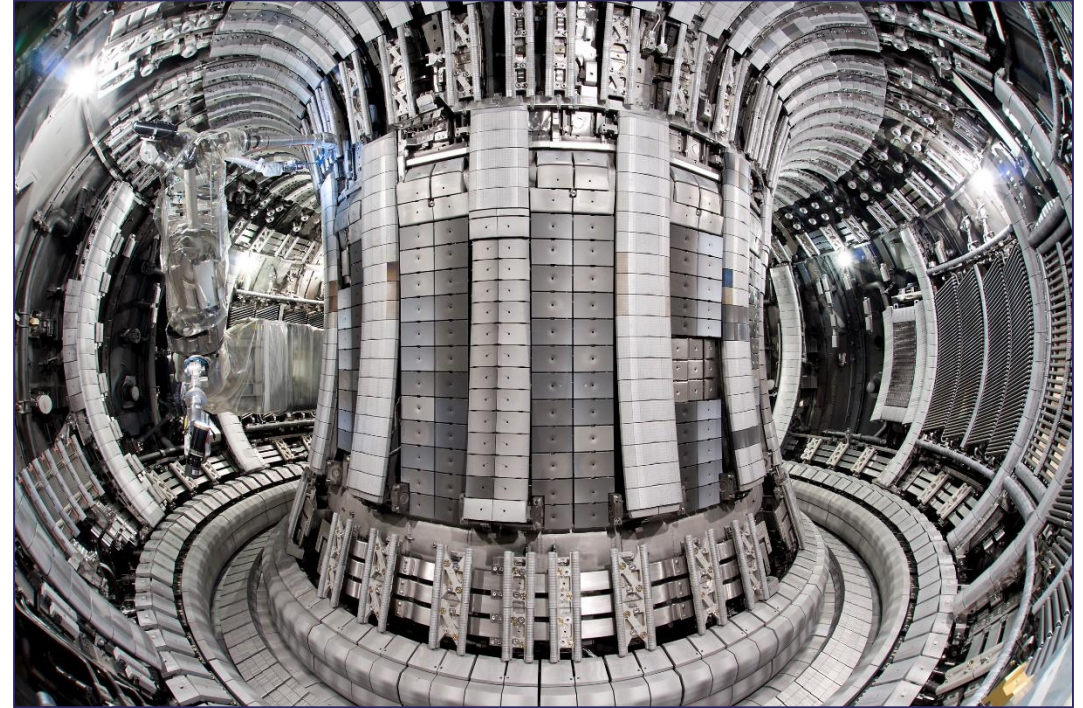
Transformative technologies – maximising Oxfordshire's future potential



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‘Oxfordshire’s tech cluster a lynchpin for UK economy’s competitiveness on global stage – says key report’

BBC Oxford – 22 September 2017



Transformative technologies – maximising Oxfordshire’s future potential

Last autumn’s Science and Innovation Audit (SIA) – created by the Oxfordshire Transformative Technologies Alliance – says that our county can become a ‘global leader’ in:

Digital health

Space-led data applications

Autonomous vehicles

Technologies underpinning quantum computing

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If fully-utilised, the SIA suggests the technologies could be worth in the region of **£180billion** to the UK economy by 2030.

This is around **six per cent of the global economy** in these technologies.

Transformative technologies – maximising Oxfordshire’s future potential

The SIA also says that to maximise the global opportunity, investment in infrastructure is needed whilst ‘living lab’ test beds are required to develop, refine and prove technologies.

These four transformative technologies could therefore form the backbone of future jobs for ‘Generation Z’.



The Local Industrial Strategy and 'Generation Z' jobs



The Local Industrial Strategy and ‘Generation Z’ jobs


We are delivering one of just three Trailblazer Local Industrial Strategies nationwide.

It will create a vision for Oxfordshire to be one of the top three ‘innovation ecosystems’ globally.


The Local Industrial Strategy and 'Generation Z' jobs



 **AI & Data Economy**
We will put the UK at the forefront of the artificial intelligence and data revolution

 **Future of Mobility**
We will become a world leader in the way people, goods and services move

 **Clean Growth**
We will maximise the advantages for UK industry from the global shift to clean growth

 **Ageing Society**
We will harness the power of innovation to help meet the needs of an ageing society

The Local Industrial Strategy and ‘Generation Z’ jobs

One of five **Foundations of Productivity** within the Local Industrial Strategy focuses on *‘Ideas’*.

For ‘Generation Z’ – the LIS means being able to place a greater emphasis on **developing new ideas** and deploying them to boost productivity.



What's next?

Transformative technologies: Jobs for Generation Z



What's next? *Transformative technologies: Jobs for Generation Z*

Many of the future careers for 'Generation Z' (supporting SIA development) are of course yet to be created.

Therefore, the challenge has been set to work in partnership with employers – and partner organisations – like the Oxfordshire Skills Board – to create flexible and responsive skills, meeting the rapidly-changing needs of these key sectors.



Thank you

www.oxfordshirelep.com

Email: info@oxfordshirelep.com

Twitter: [@oxfordshirelep](https://twitter.com/oxfordshirelep)

