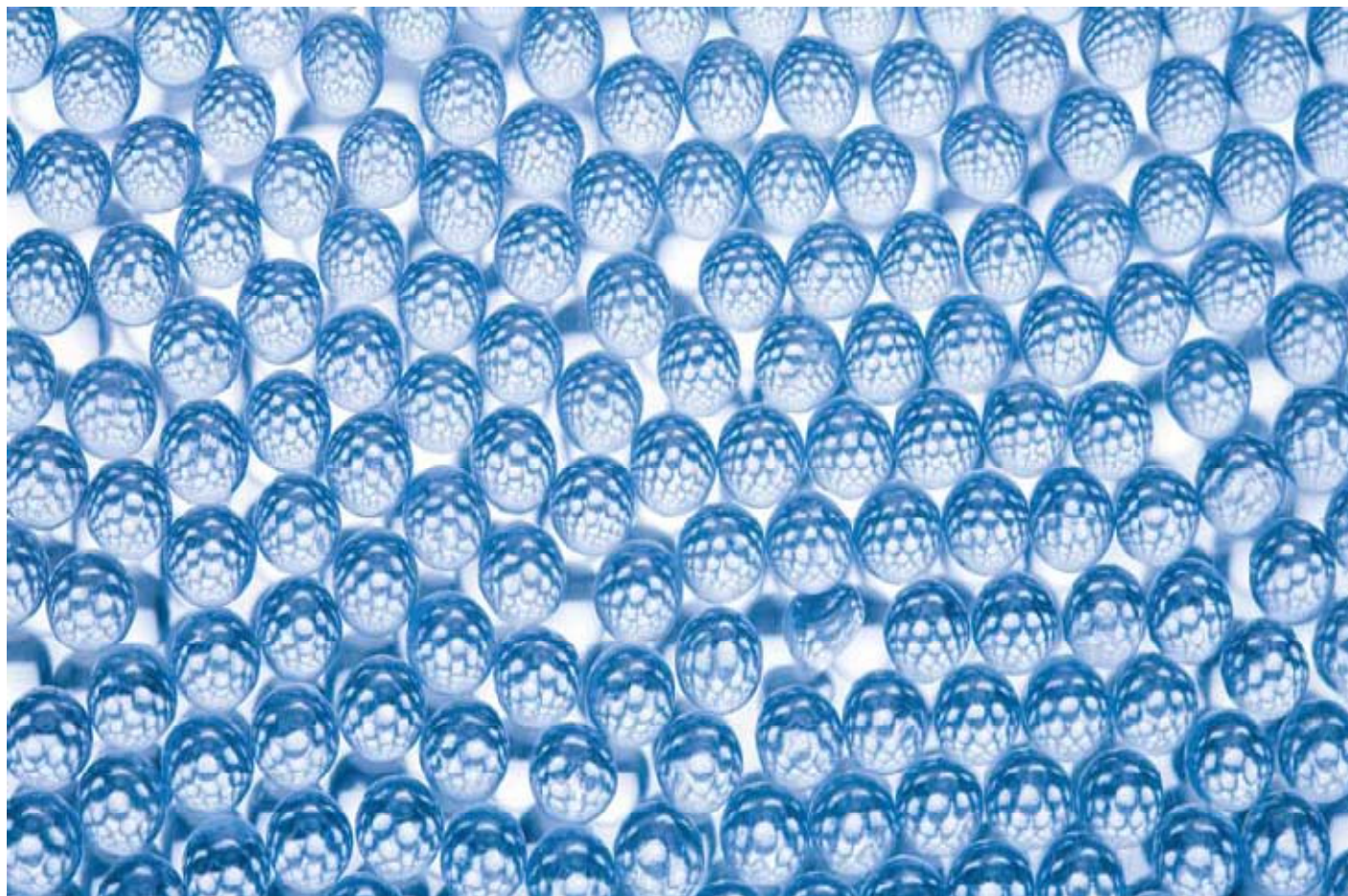


The UK in 2020

by
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Materials KTN



Enabling Commercialisation

- There is a very strong technical base within the UK in the field of nanotechnology in 2009.
- If the recommendations are followed then the UK can become a successful player in the commercialisation of nanotechnology.

UK position in 2020

- World class and integrated nanotechnology centres derived from the original set of MNT centres.
- Body of UK trained scientists, engineers and managers capable of ensuring significant growth in commercialisation of nanotechnology based products.
- Research Council and other Government funded programmes focussed on next generation nanotechnologies addressing Grand Challenge needs.

UK position in 2020

- Thriving nanotechnology SME community working with Government ensuring funding is directed in a timely fashion to grow value-adding nanotechnology based businesses.
- International regulation for nanotechnology agreed and understood by all with definitions and standards the basis for the regulation.
- The UK embedded in strong international nanotechnology business collaborations.

- The UK recognised as a leader within the OECD for best practice in development, manufacture and risk management of nanotechnology based products.
- UK led robust platforms for metrology and modelling in support of ongoing nanotechnology business needs.
- A comprehensive standards infrastructure to support industry and other stakeholders.

- The UK recognised as the leading centre for nano tech investment management and financial products
- Acceptance that processes for risk assessment and LCA for nanotechnology are no different in principle than for other technologies, conducted as a matter of standard practice.
- Family of nanotechnology based drugs and diagnostics products developed in the UK that ensure that the UK remains at the forefront of providing health benefits.

- Family of nanotechnology based products developed in the UK that contribute to the Low Carbon Economy.
- Public understanding that nanotechnology like any other technology has its benefits and risks and that these are considered and managed as part of the development of any nanotechnology based product.
- UK developed nanotechnology based products manufactured in the Developing World for local use to address major health and welfare issues.

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- The UK recognised as the leading centre for investment management and financial products related to nanotechnology

Lord Sainsbury (2007):

“In the future it will no longer be necessary to start every report of this kind with the dreary statement that, while the UK has an excellent record of research, we have a poor record of turning discoveries into new products and services.

While we believe that our record of innovation is better than is commonly supposed, we have not yet produced the best possible conditions to stimulate innovation in industry”



Nanotechnology: a UK Industry View
14th January 2010, BIS Conference Centre, London

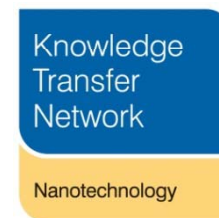
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