

## **A 2017 Perspective of US Nanotechnology & Commercialization**

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Nanotechnology utilizes science and engineering to design, produce, and characterize new materials and devices whose smallest functional dimension is on the nanometer scale or one billionth of a meter. In the United States, due to sustained R&D investment by both private and commercial sources, advances in nanotechnology enabled products are being marketed for many applications using a wide variety of nanomaterial types. To drive R&D from the public sector, the National Nanotechnology Initiative encompasses nanotechnology-related research and development activities of 20+ Federal agencies. This presentation will provide an overview of the status of Nanotechnology R&D and subsequent commercialization in the U.S. Likewise, examples of discovery through commercialization will be discussed with insight given to current and future trends in nanotechnology product development.

**Keywords:** Nanomaterials, Nanotechnology, Commercialization, US Nanotechnology Initiative, nanotechnology research.