

The Bayh-Dole Technology Transfer Process

Cycle of moving an early-stage idea from a lab to the marketplace as a commercial product for public benefit



Public Benefit:

The public benefits from new products, companies, and jobs. The government benefits from resulting corporate and income tax revenue. Universities benefit from royalties, which cover tech transfer expenses and are reinvested in research. This cycle has made America the world leader in innovation.



Market Launch:

Once a product is ready, licensees and private backers invest additional money and years to market, sell, and distribute it to the public.



Product Development:

Licensees and private backers invest significant money and years to develop the patented invention into a market-ready product. Despite best efforts, most projects fail at this stage at a financial loss.



Early-Stage Research:

Researcher(s) at an institution (university, federal lab, or small business) work to research a groundbreaking idea.



Discovery and IP Protection:

Researcher(s) report the resulting invention to their institution's tech transfer office, who applies for a patent if it is novel. The USPTO will grant the patent if all eligibility requirements are met.



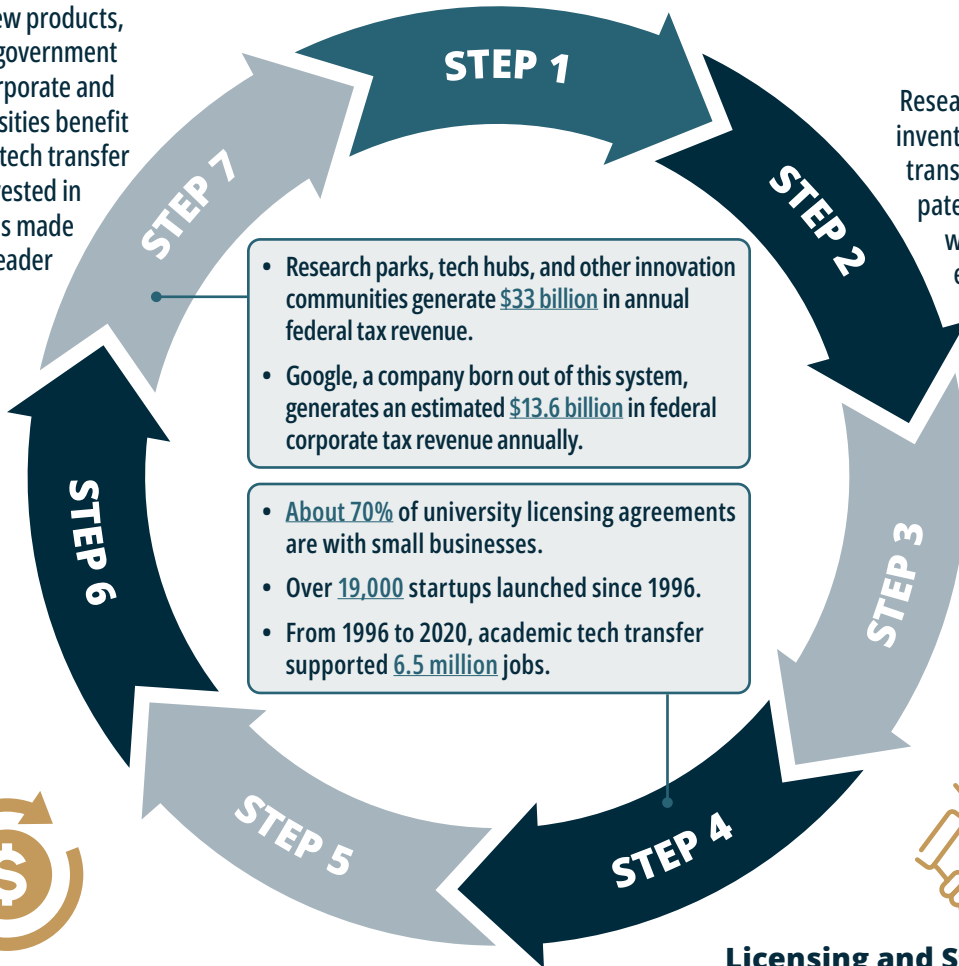
Proof of Concept:

Researcher(s) test, evaluate, and refine their patented invention.



Licensing and Startup Formation:

The patent owner (inventing institution) seeks commercial partners to enter a licensing agreement to develop the patented invention. Sometimes, inventors will enter a licensing agreement with their institution and launch their own startup.



Thanks to Bayh-Dole, We Have:

- FluMist®
- Water purification technologies
- Counterfeit credit card detection
- CAR T-cell cancer therapy
- Tech behind cellphone cameras
- Advanced ultrasound imaging
- cDNA microarrays (gene chip) technology
- Light Stage tech behind CGI in film and TV