

## ATP's Investment Return to the Nation

### An Overall Look at Our Completed Projects\*

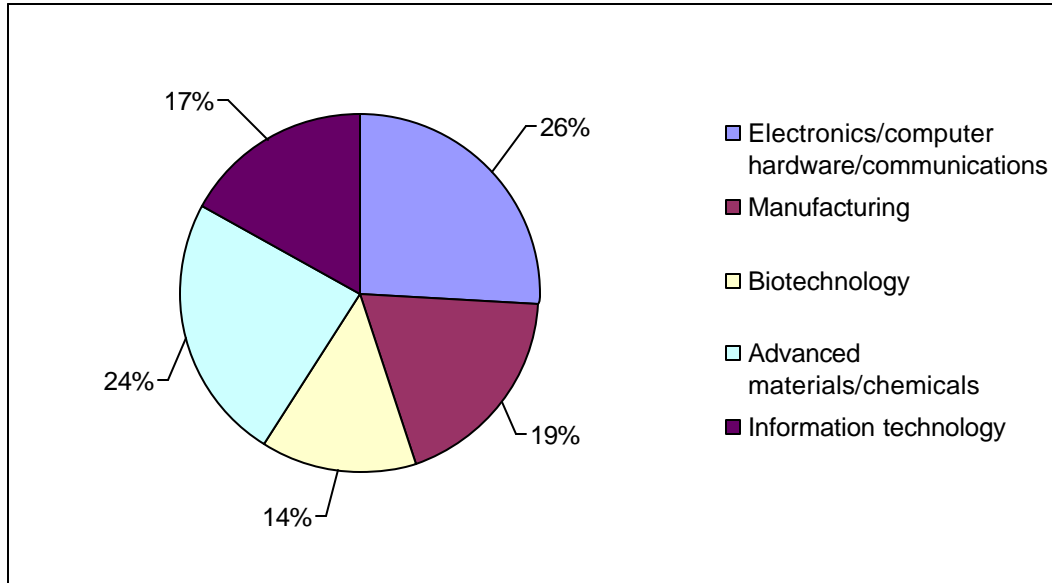
#### ATP Delivers a High Return to the Nation

- The projected economic impact of a handful of early ATP projects would pay for every ATP project funded since 1990.
- New prosthesis technology for repairing damaged knee ligaments is expected to deliver \$15B in net benefits, attributable to ATP, measured using a "quality-adjusted-life-years" index for patients receiving this treatment (*Tissue Engineering*).
- New biocompatible polymers for cartilage repair deliver \$98M in estimated benefits, attributable to ATP, for avoidance of second surgeries to remove implants, such as pins and screws (*Integra LifeSciences*).
- New stem cell replication technology is estimated to produce \$47M in cost savings alone, attributable to ATP, by providing bone marrow transplants (*Aastrom Biosciences*).

#### Some Basic Stats for 129 Completed Projects

- 106 single company projects of which 67 are small businesses; 23 joint venture projects, of which six are led by small businesses.
- Average total cost per project is \$4.1M (ATP + industry).
- Three year median project length.
- A range of technologies:
  - Electronics/computer hardware/communications: 26%
  - Advanced materials/chemicals: 24%
  - Manufacturing: 19%
  - Information technology: 17%
  - Biotechnology: 14%

### ATP Promotes Collaboration



- Over 85 percent of ATP projects are engaged in collaborative arrangements, with other companies, universities, federal laboratories, and non-profit institutions.

### ATP Funds Challenging and Important Technologies

- 13 percent of projects received technical achievement awards from *Industry Week* magazine, *Discovery* magazine, *R&D* magazine, *Computerworld* magazine, and others.

### ATP Generates New Knowledge

- Over half of ATP projects file for patents.
- Half of ATP projects are granted patents.
- Of those projects receiving patents, almost 80 percent receive two or more patents each.



## ATP Disseminates New Knowledge and Information

- Participants in almost two out of three projects published and presented papers in technical and professional journals.
- More than 60% placed commercial products or processes in the marketplace, providing others with opportunity to collect information on the new technologies.

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