



North Dakota Centers of Excellence Program

Overview and Status of Current Projects

Presented by Shane Goettle

August 16, 2010

Commissioner

North Dakota Department of Commerce



Goal of North Dakota Centers of Excellence Program

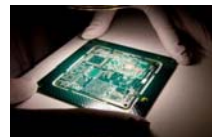
Encourage collaboration between public universities and private businesses to bring new products and services to the marketplace that result in new higher paying jobs for the citizens of North Dakota.

Status of the Centers

- Our program is still in the early stages of development. No center has yet reached its maturity.
 - 7 centers in operation 1 fiscal year
 - 3 centers in operation for 2 fiscal years
 - 9 centers in operation for 3 fiscal years
 - 1 center in operation for 4 fiscal years



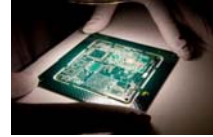
Economic Impact



- \$19.9 million in state funding has resulted in an economic impact of \$329.4 million through June 30, 2009.
- Includes direct impact of \$115.5 million generated by the Centers and their partners.



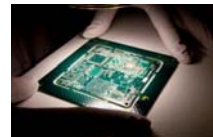
Job Creation



- 2,060 total jobs.
- 922 direct jobs at an estimated annual payroll of \$44.5 million.
- 1,138 jobs supported by the Centers and partners.



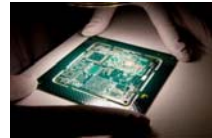
Private Sector Partners



- The Centers have partnerships with 135 companies.
 - Target industries (advanced manufacturing, energy, technology, and value-added agriculture.
 - Emerging industries (life sciences and unmanned aircraft systems).



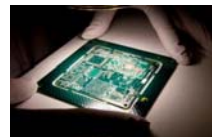
New Businesses



- Centers have been involved in 17 new or expanded businesses.
 - 7 new spinoff companies.
 - 5 companies that expanded to North Dakota.
 - 5 companies that have expanded within the state.



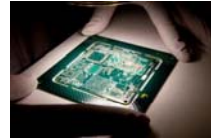
Funding



- One-third of the investment allocated as of June 30, 2009.
- Projected impact should reach \$1 billion when projects are funded and mature.



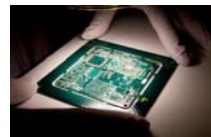
Matching Funds



- \$134.8 million of matching and leveraged funds obtained as of June 30, 2009.



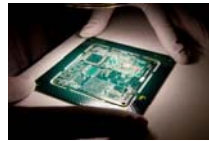
Legislatively Approved Centers



- Center for Innovation
- NDSU Technology Incubator
- Beef Systems Center of Excellence



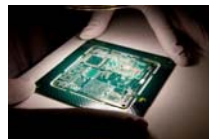
COE Commission Approved Centers



- National Energy Center of Excellence
- Center for Advanced Electronics Design and Manufacturing
- National Center for Hydrogen Technology
- Dakota Center for Technology Optimized Agriculture



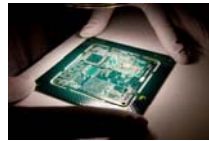
COE Commission Approved Centers



- Center for Agbiotechnology: Oilseed Development
- Center for Surface Protection
- Center of Excellence in Life Sciences and Advanced Technologies



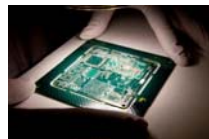
COE Commission Approved Centers



- Unmanned Aircraft Systems Center of Excellence
- Enterprise University
- Petroleum Safety and Technology Center



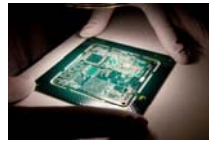
COE Commission Approved Centers



- Strom Center for Entrepreneurship and Innovation – Institute for Technology and Enterprise Development
- Center for Integrated Electronic Systems
- SUNRISE BioProducts



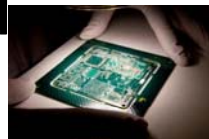
COE Commission Approved Centers



- Petroleum Research, Education, & Entrepreneurship Center
- Center for Biopharmaceutical Research and Production
- COE for Passive Therapeutics
- COE in Space Technology and Operations
- Entrepreneurial Center for Horticulture



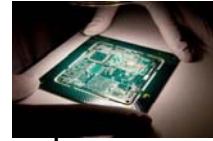
Recently Approved Centers



- Center for Advanced Technology Development and Commercialization
- Center for Sensors, Communications and Control



Enhancement Grants



- \$2.254 million for UND UAS Research, Education & Training Enhancement Grant
- \$4 million for NDSU Research 1 Expansion
- \$1 million for NDSU Materials and Nanotechnology Centre
- \$200,000 for GFAFB Realignment Business Transition Enhancement Grant

2010 Monitoring Process

- The legislature will receive the 2010 Annual Report in January after the following:
 - Functional reviews completed by each Center by September 1st
 - “Agreed upon procedures” conducted by third party auditors and reports provided by September 22nd
 - Site visits conducted at each Center in September and October
 - Economic Impact study completed in November

Performance Audit Recommendations

- Action has been taken to address all 15 recommendations
- Requesting legislative help on the recommendation dealing with the annual audit requirement
 - COE Commission has recommended that the legislature change statute to allow for continuation of “agreed upon procedures”

Centers of Excellence Future

- Centers of Excellence Best Practices Review was conducted
- Interim Workforce Committee has received recommendations