



Florida Board of Education

Work of the
Higher Education Funding Advisory Council
And

The Eighth Imperative

August 28, 2002



Contextual Underpinnings

The Challenges

- **A Non-traditional Clientele**
- **Access**
- **Baccalaureate Production**
- **Pre-Bachelor's Workforce Enhancement**
- **Research, Economic Development and Postsecondary Excellence**



Contextual Underpinnings

Filters for Solutions

- **Student-centered**
- **Excellence**
- **Accountability**
- **Competition**
- **Seamlessness**
- **Devolution**

The FBOE Principles



Recommendations Forthcoming

- **Prepaid College Program**
- **Tuition**
- **Bright Futures Scholarships**
- **Financial Aid (Merit / Need)**



The Tie to Postsecondary: FBOE Strategic Plan

Imperatives One through Seven

| | |
|----------------------|-------------------------------|
| Imperative 1: | Aligning Teacher Prep |
| Imperative 4: | Aligning Leadership |
| Imperative 5: | Aligning Standards |
| Imperative 6: | Aligning Workforce Ed. |
| Imperative 7: | Aligning Resources |



The Tie to FBOE Strategic Planning **Imperative Eight:**

- **Achieving world-class, nationally recognized institutions of higher learning by improving access, funding, performance, and accountability**
- **developing programs of excellence, employing top-flight faculty and staff, achieving high standards of performance, and surpassing prescribed accountability standards**



The Tie to FBOE Strategic Planning: Imperative Eight

Postsecondary Excellence

Programs of Prominence: An identification, review, and funding process with measurable outcome expectations to bring specific postsecondary academic programs and activities in Florida to the status of national prominence.



Programs of Prominence: The Wrong Way

- **Get money**
- Calculate a distribution to each institution via formula
- **Receive and approve plans**
- Let institutions start from scratch
- **Dispense dollars accordingly without expectations**
- Do not monitor



Programs of Prominence: The Right Way

- **Get money**
- **No guarantees per institution**
- **Institutional identification of candidates**
- **Build on Strengths**
- **State-level candidate finalization**
- **Peer Review**
- **Monitoring**
- **Clear outcome expectations**



Programs of Prominence

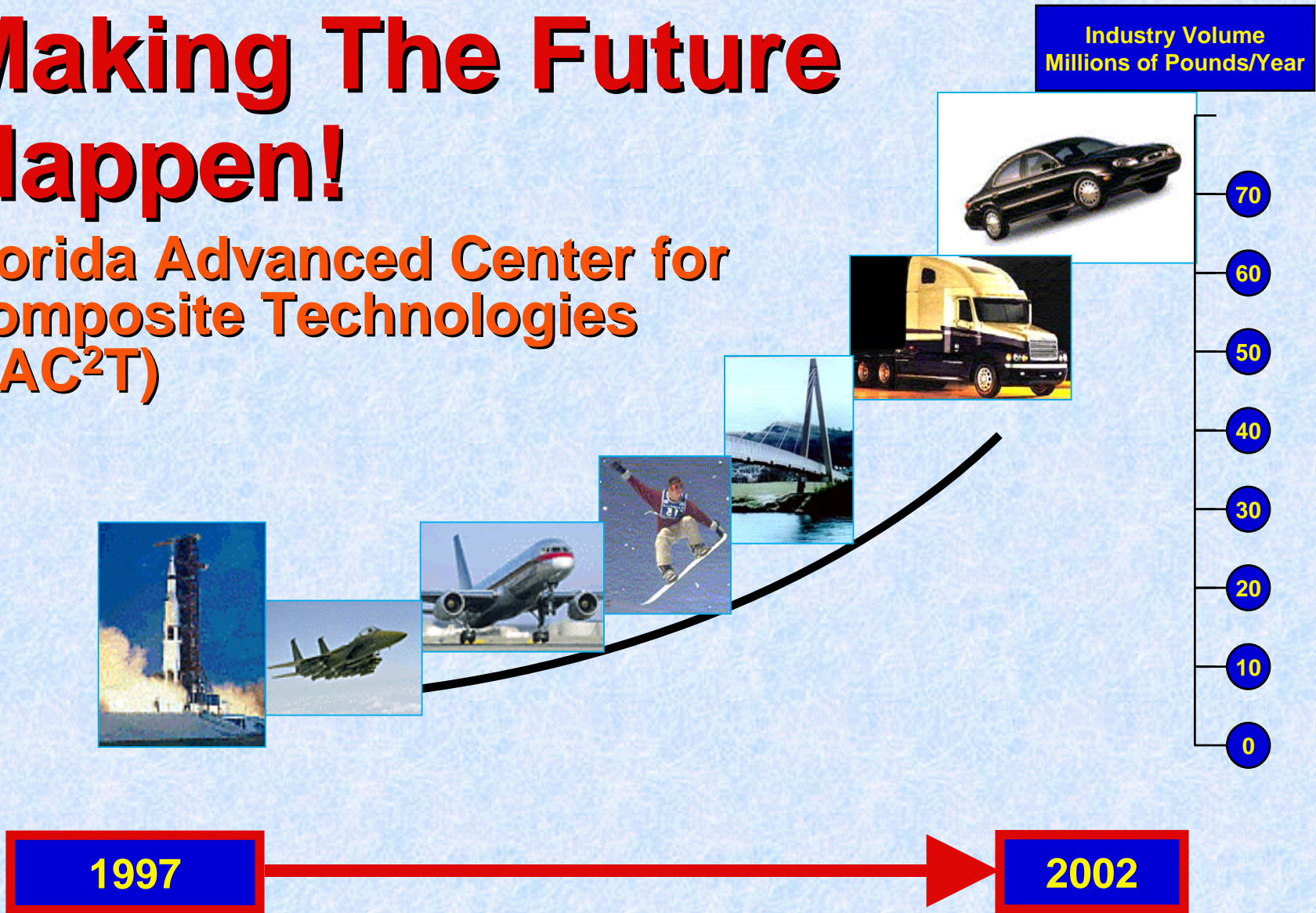
Maximum Return on Minimal Investment

Dollars go farthest when they are directed to the most discrete level.

**Example: Florida Advanced Center
for Composite Technologies**

Making The Future Happen!

Florida Advanced Center for Composite Technologies (FAC²T)



Center Objective: National Prominence

- **Improve the competitiveness of Florida's economy through industry-government-university collaboration**
- **Increase the pool of minority and women students in high-demand fields, involving pre-college to graduate students**

Composites: a \$25B industry that will reach \$110B in 2015. In 2000, the total composite output made up only 1% of all engineered materials.



transportation



sporting goods

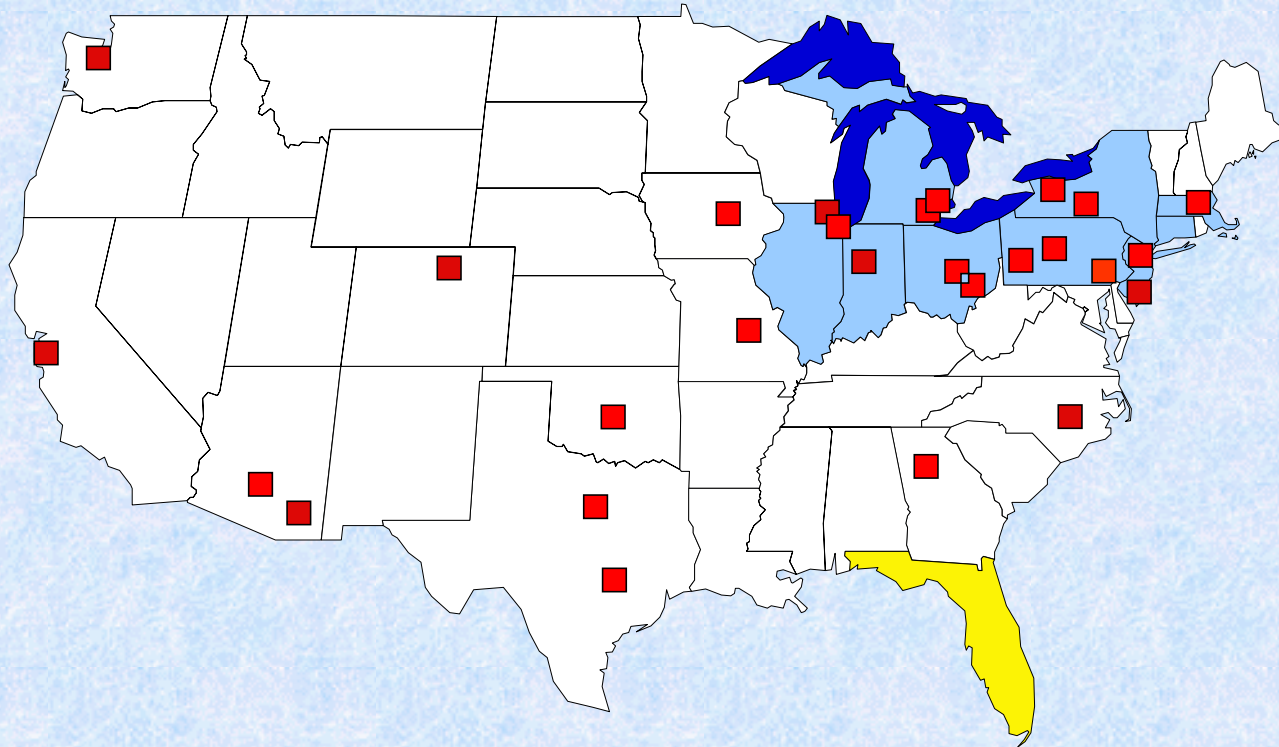


defense



civil

Current NSF Locations

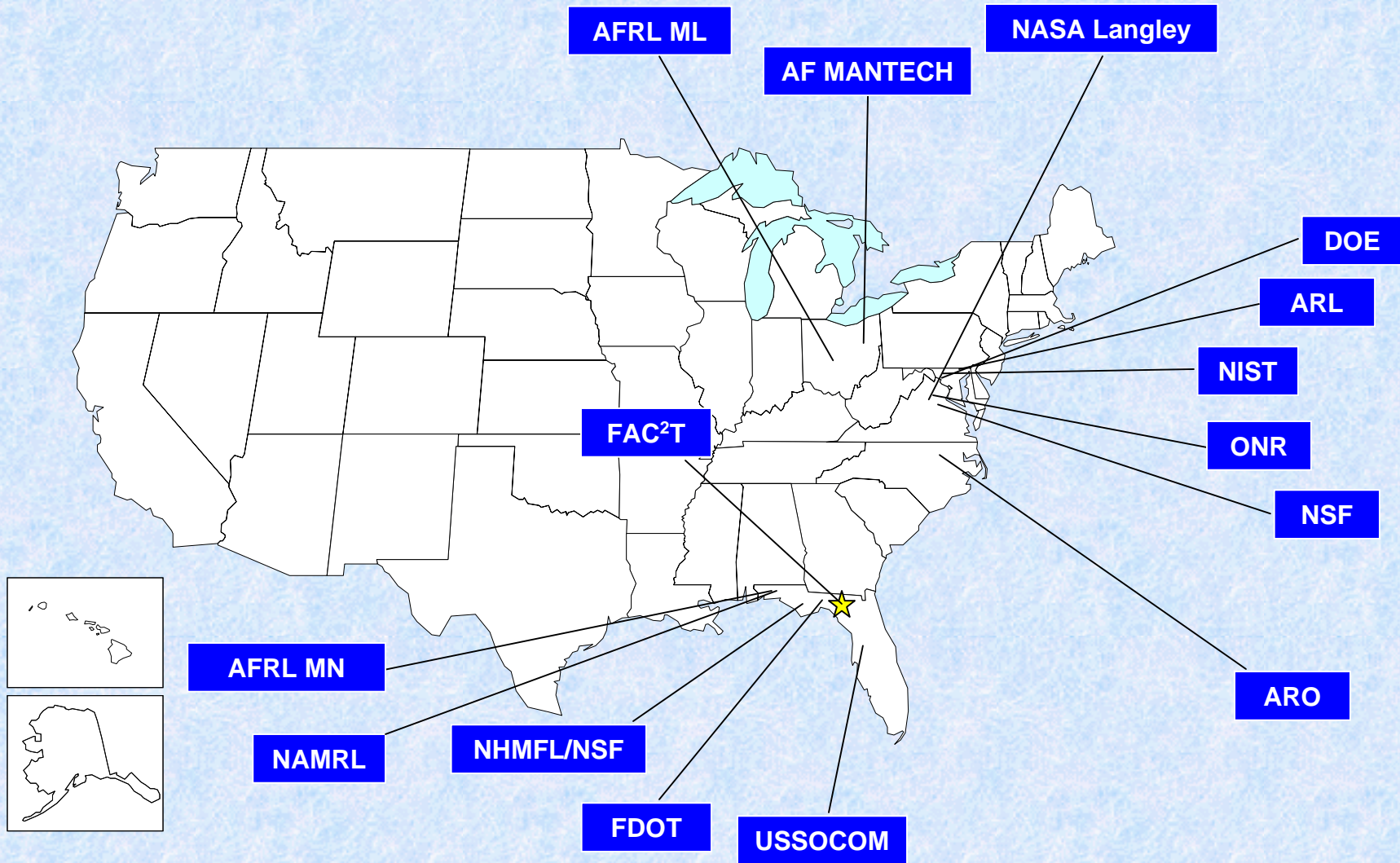


Industry / University Cooperative Research Centers

Collaboration

- **Multiple Academic Departments**
- **Engineering and Information Technology**
- **National High Magnetic Field Laboratory**
- **Partnerships with Ohio State University and University of Wisconsin**

Government Sponsors



Industry Sponsors

- **Shell Chemicals Ltd.**
- **Airtech International, Inc.**
- **Lockheed Martin**
- **PPG Industries, Inc.**
- **Owens Corning**
- **Ciba Specialty Chemicals**
- **Society of Manufacturing Engineers**
- **CollinsCraft Composites**
- **Dow Chemical Company**
- **Composite Materials, Inc.**

National Prominence:

\$1M External Funding

NSF Recognition

Cost to the State:

\$100K and Verbal Support

