Research at WSU : NIAR and ORA

John Tomblin

Executive Director

National Institute for Aviation Research and

Interim Provost for Research

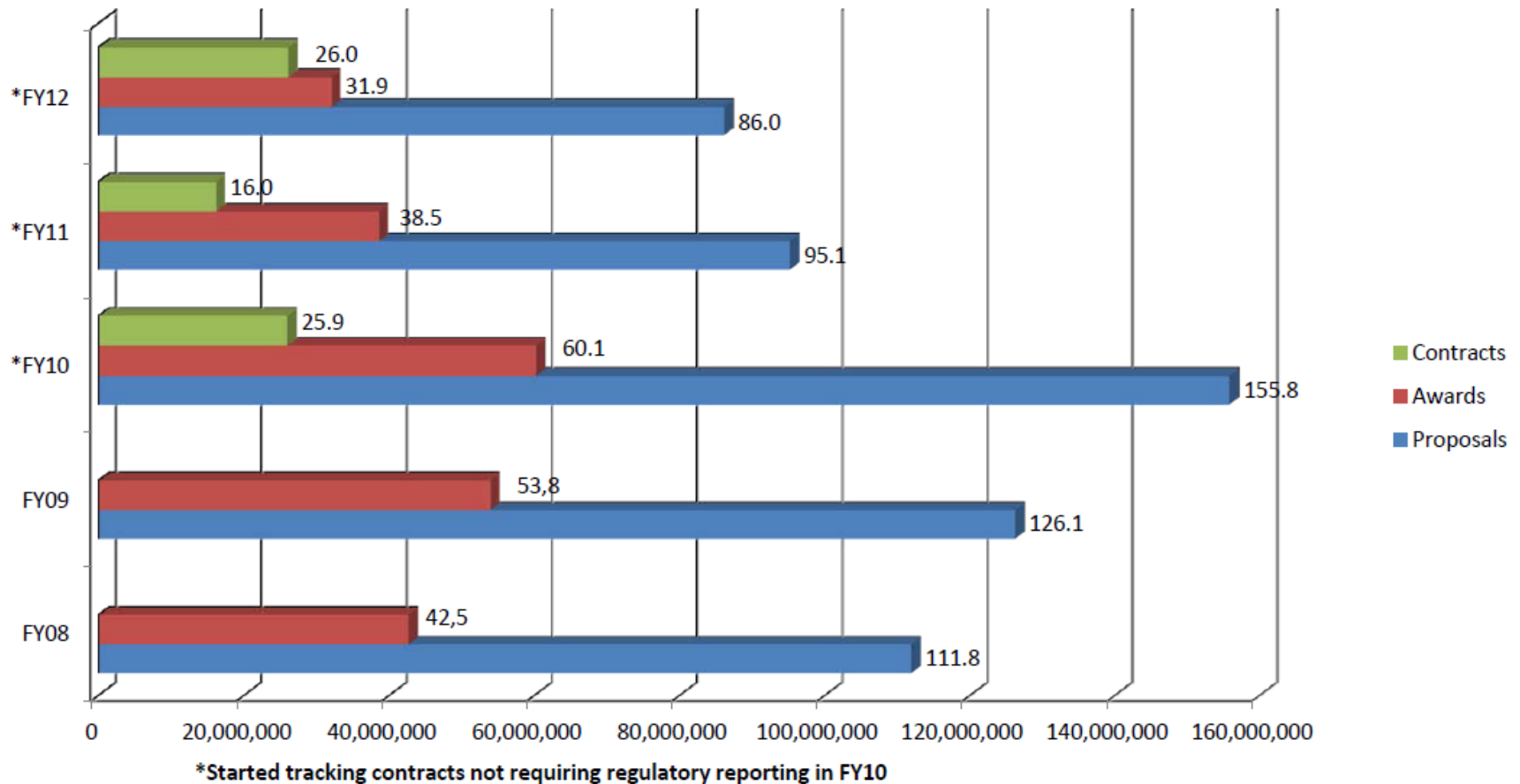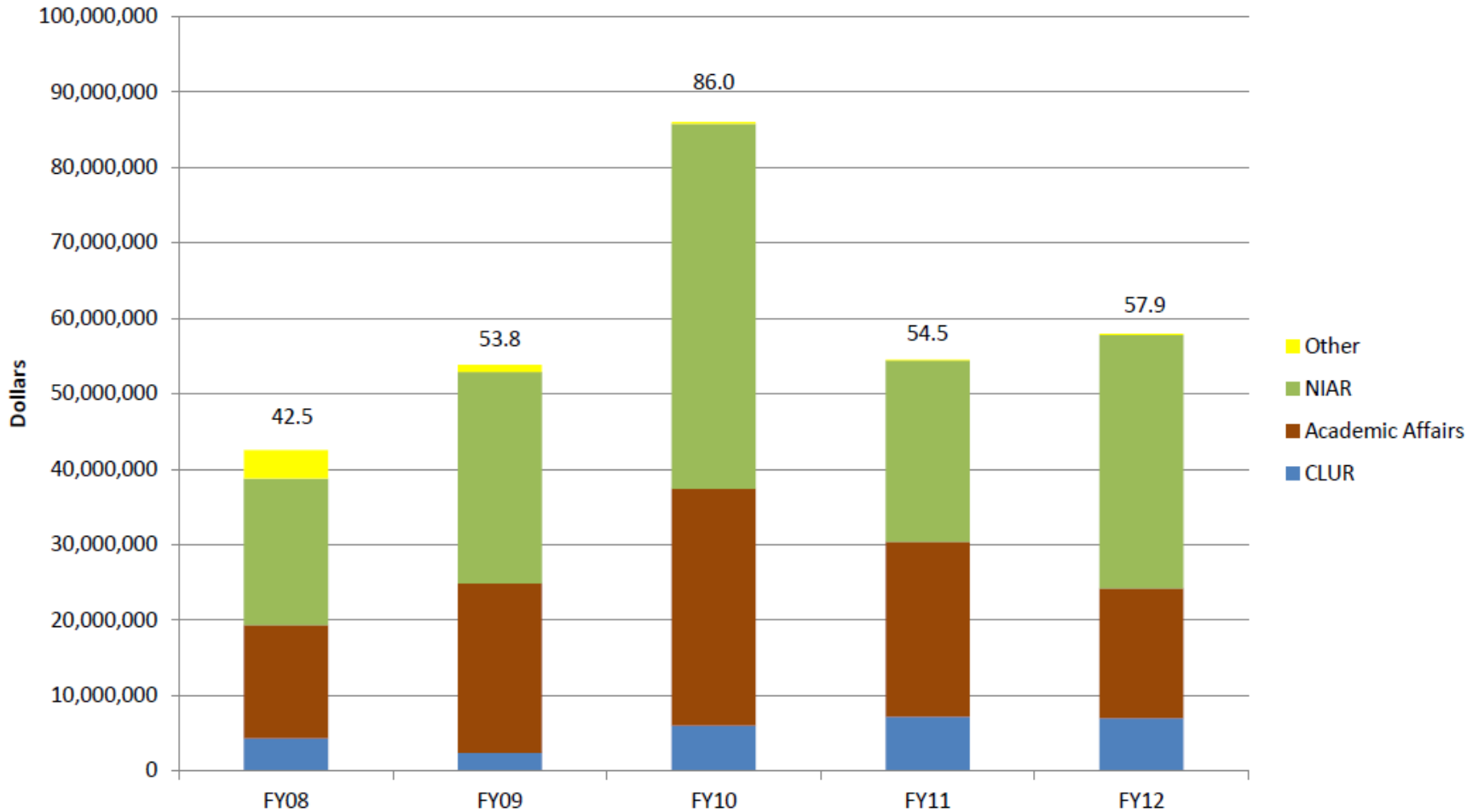Wichita State University

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WSU Research Overview (at a glance)

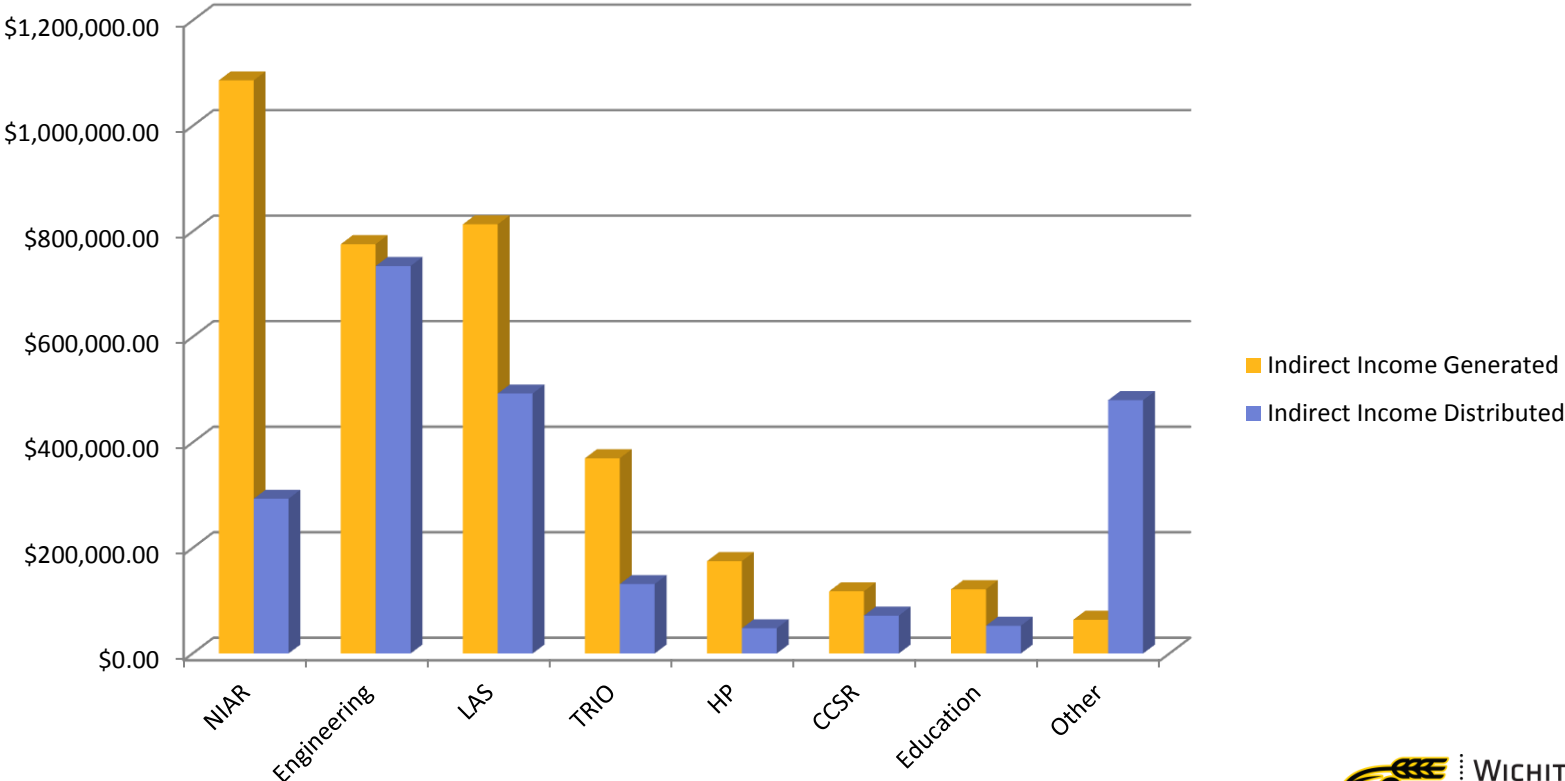## Comparison of Proposals, Awards, and Contracts

*Started tracking contracts not requiring regulatory reporting in FY10

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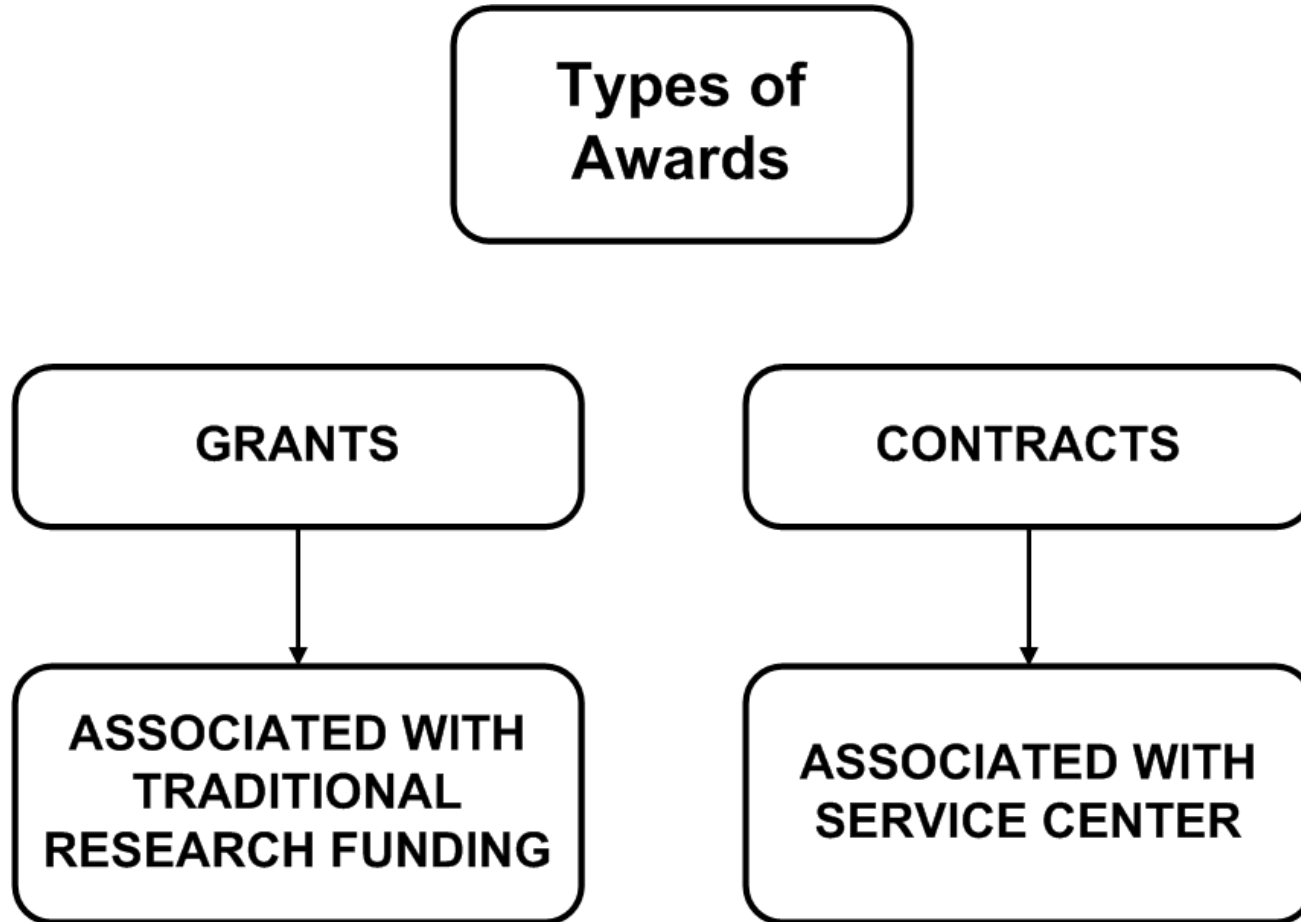# WSU Research Overview (at a glance)

External Awards by Year

WSU Research Overview (the business side)

Fiscal Year 2012
Indirect Income Generated
with
Indirect Income Distributed

Award Type

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ORA Organization / Re-organization

Moved to University Financial Operations

Need to be moved to another reporting structure

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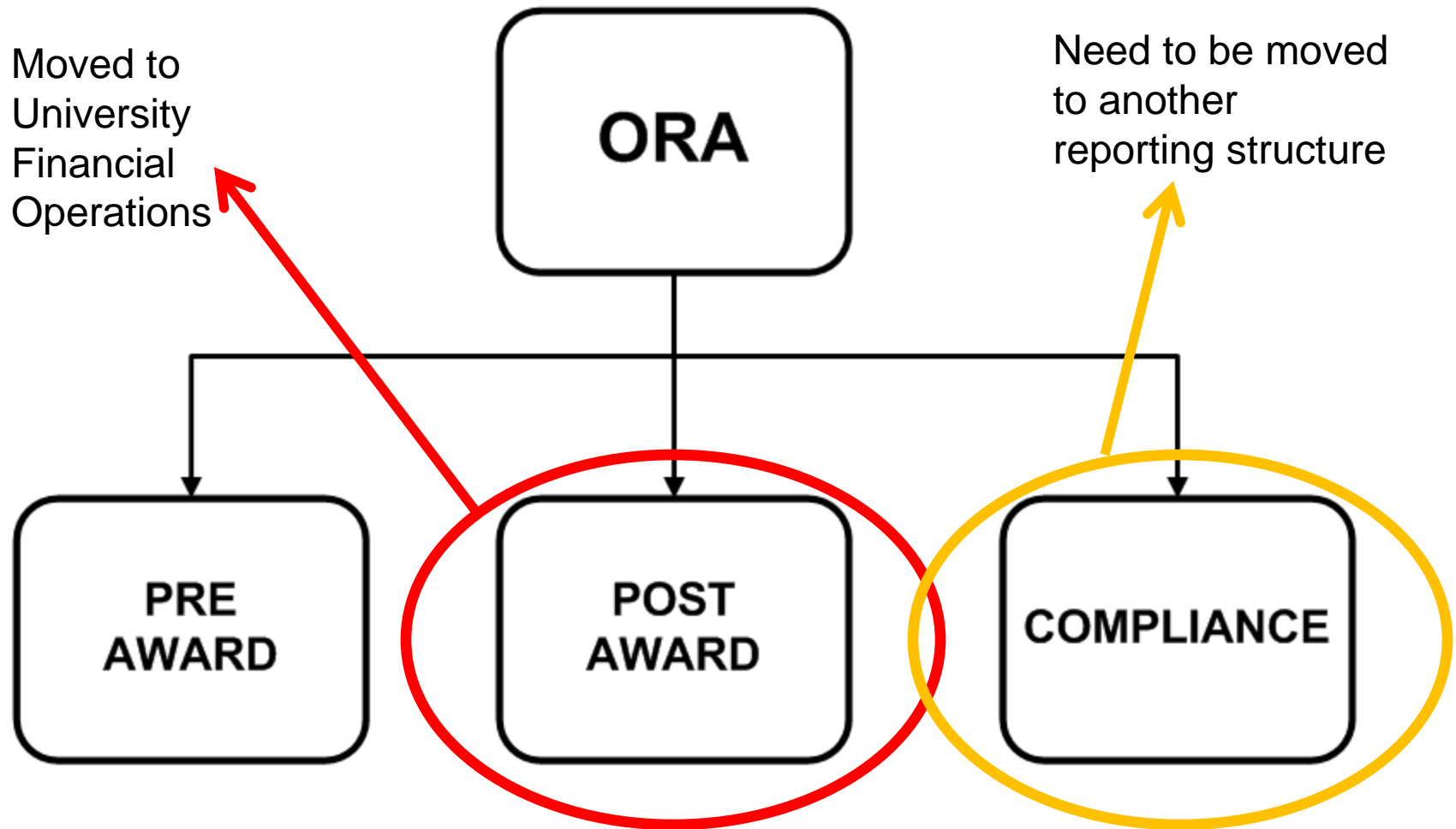
The National Institute for Aviation Research provides:

research

certification testing

technology transfer
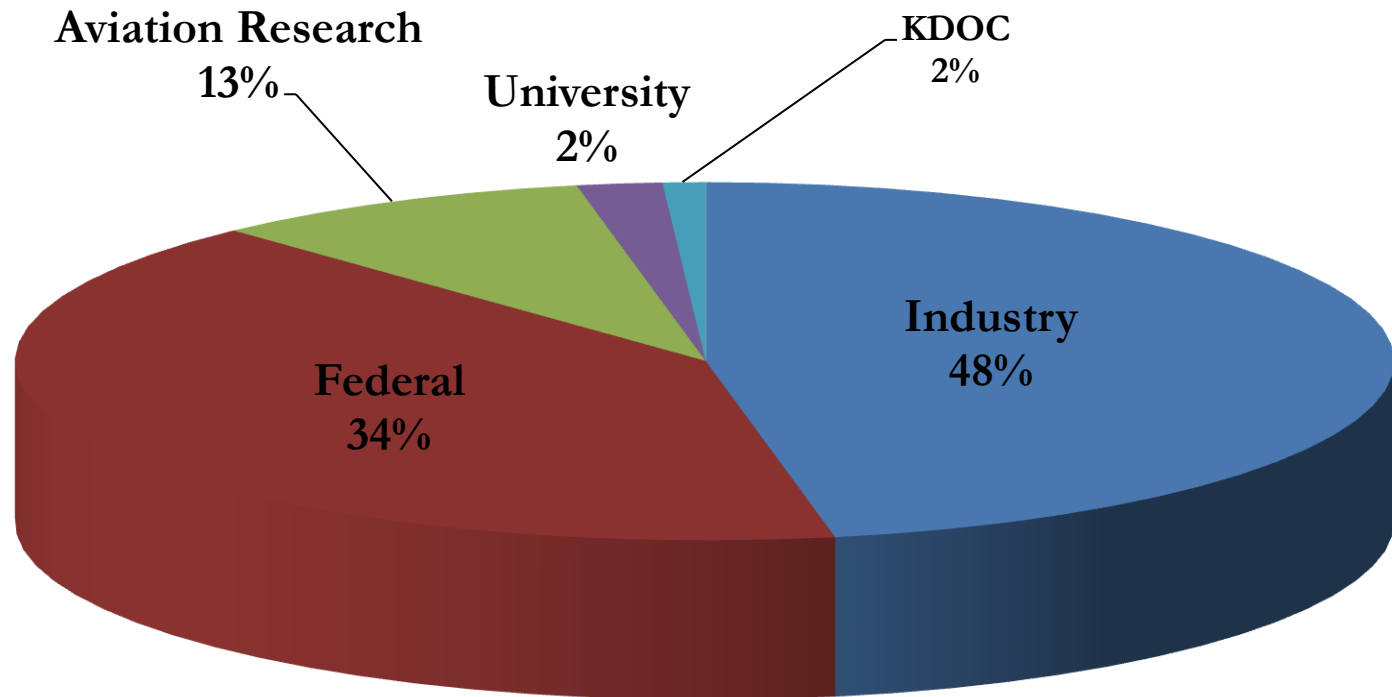
training

to:

aerospace industry

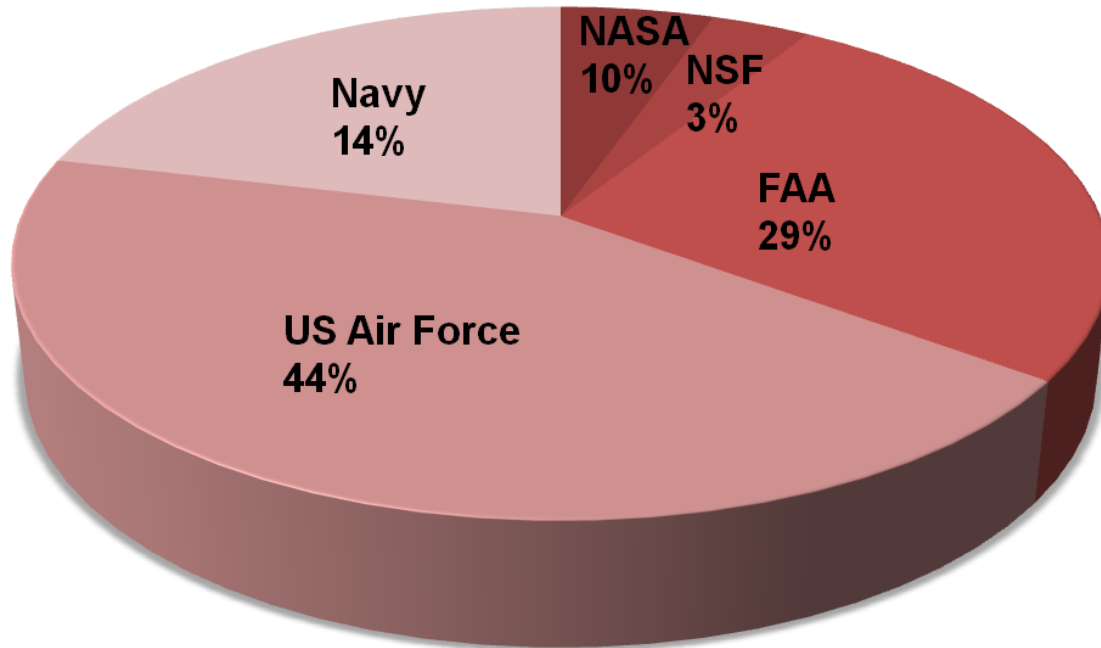aviation-related companies

non-aviation companies

federal aviation research sponsors

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FY2012 Operating Budget : $45 million

Aviation Research 13%

University 2%

KDOC 2%

Industry 48%
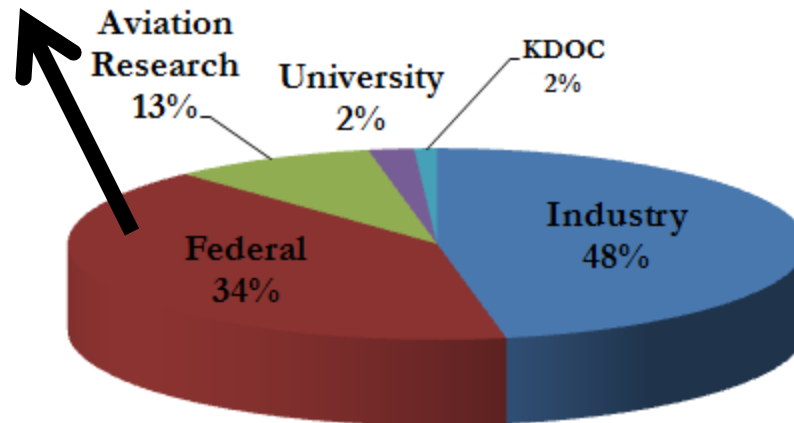
Federal 34%

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Federal Agency Funding

FAA Advanced Materials Budget

$1.00 » $ 0.78 to WSU

NIAR Staffing
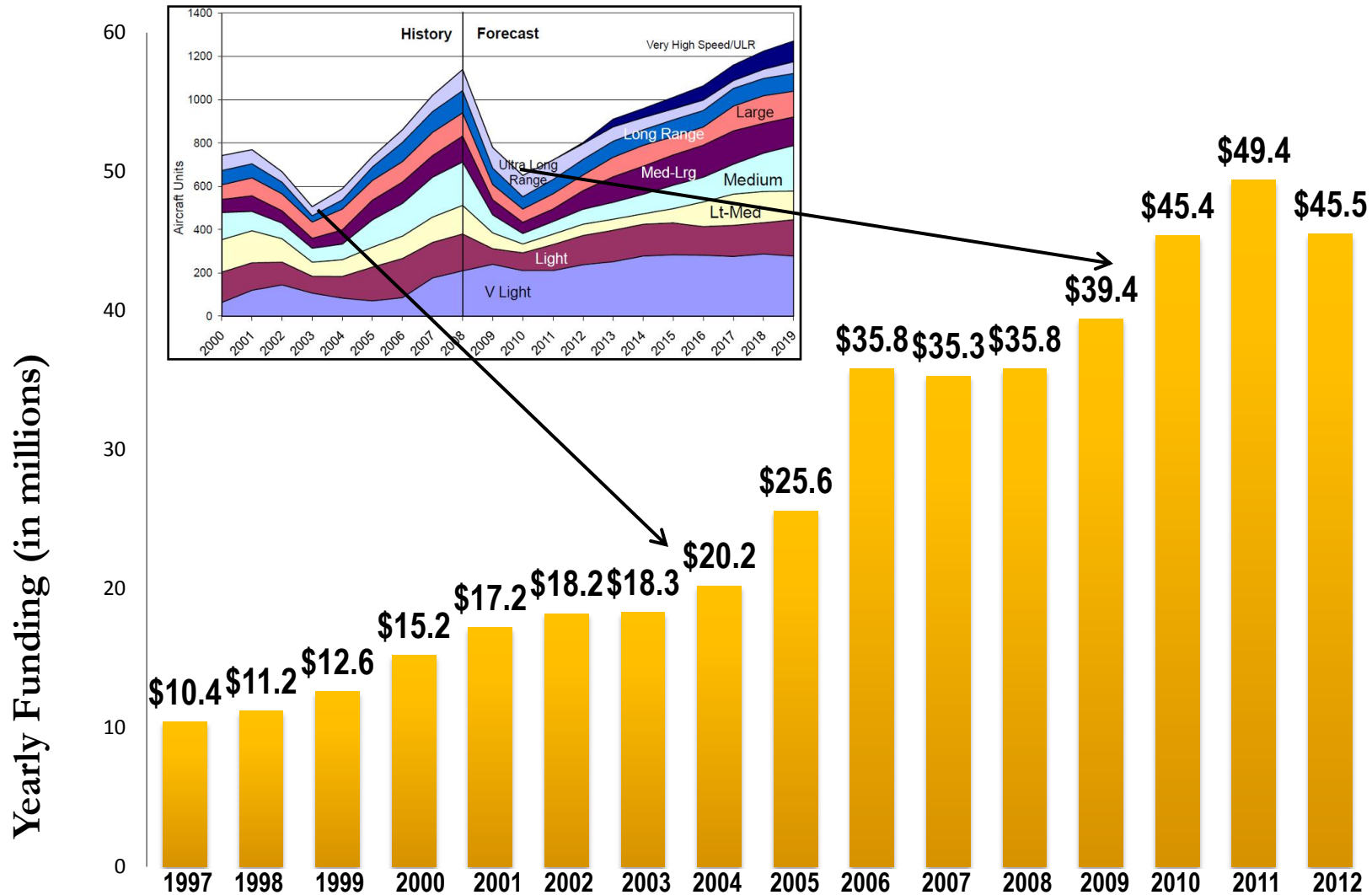
NIAR employs more than 300

167 full/part-time

147 student lab technicians
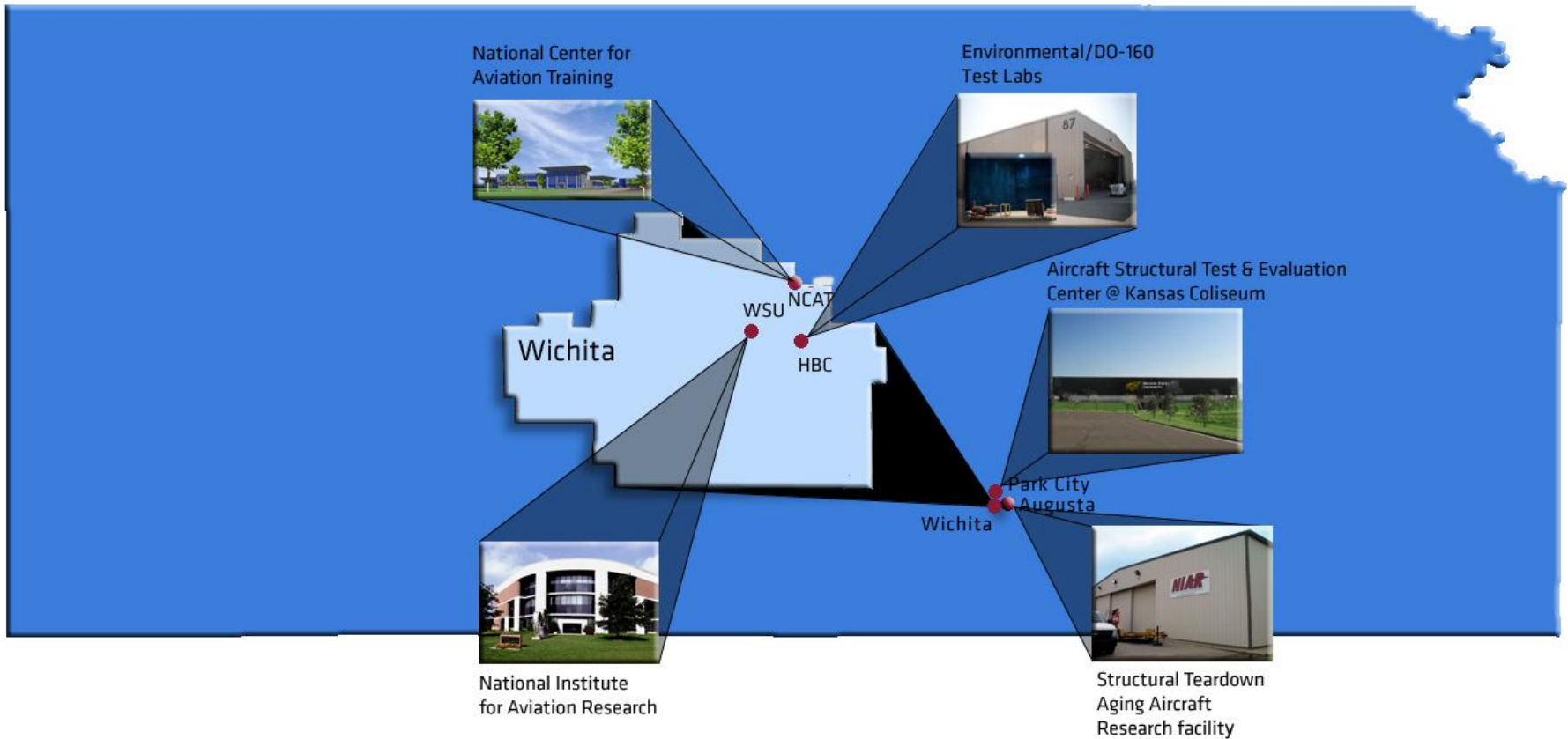
Employees' salaries are not state-funded.

Each lab must earn the revenue to maintain its staff

# Funding History and Trending with Industry

NIAR Locations

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NIAR ranks high among the nation's prestigious universities

1. Georgia Institute of Technology
2. Utah State University
3. **Wichita State University**
4. University of Colorado
5. Texas A&M University
6. University of Maryland
7. Massachusetts Institute of Technology
8. University of Alabama
9. Pennsylvania State University
10. Princeton University
11. New Mexico State University
12. University of Texas
13. University of Michigan
14. Stanford University
15. Purdue University
16. University of Florida
17. Virginia Polytechnic Institute
18. University of Illinois
19. University of Washington
20. University of Tennessee

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Technical Thrusts
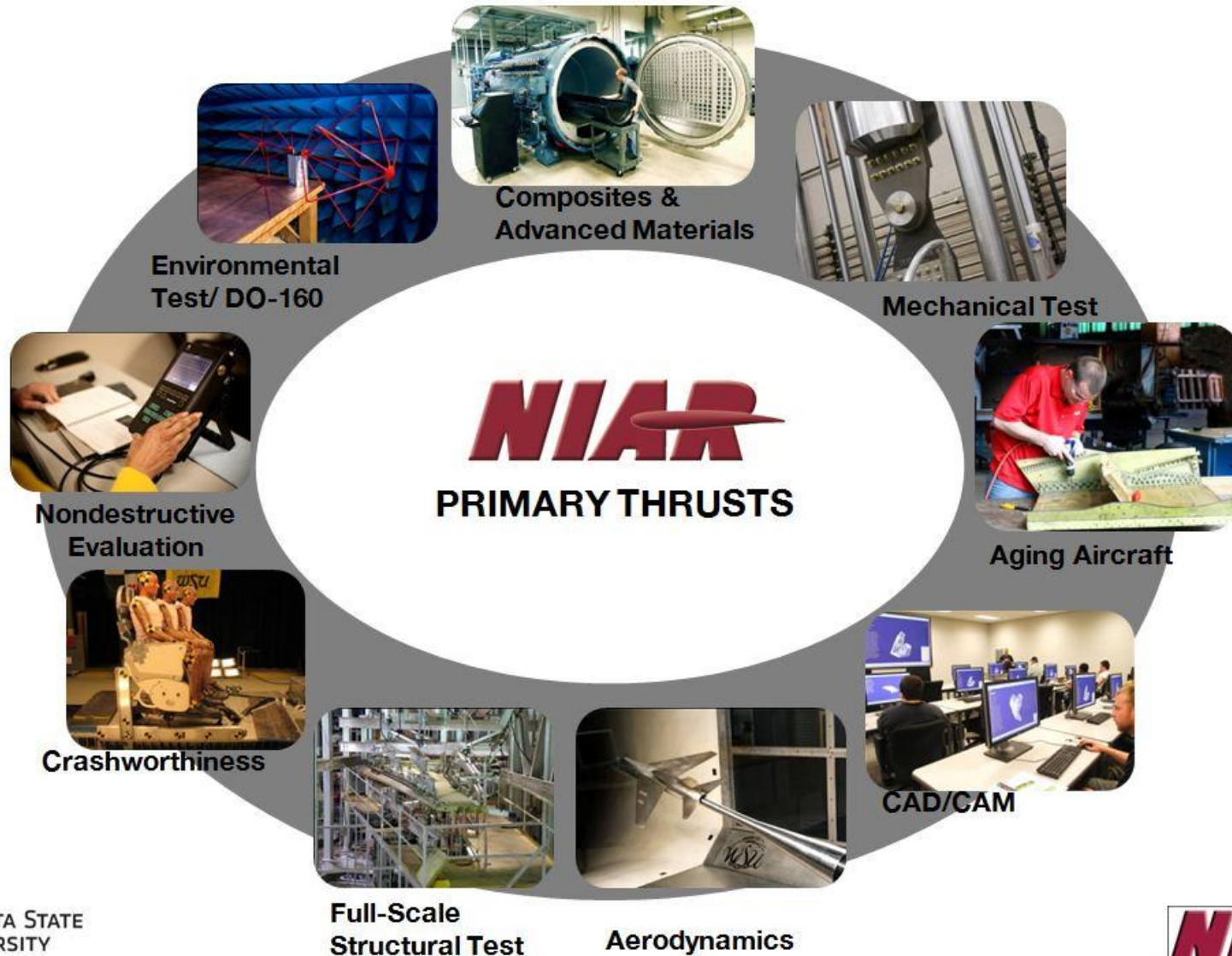
Existing Partnerships: Nation

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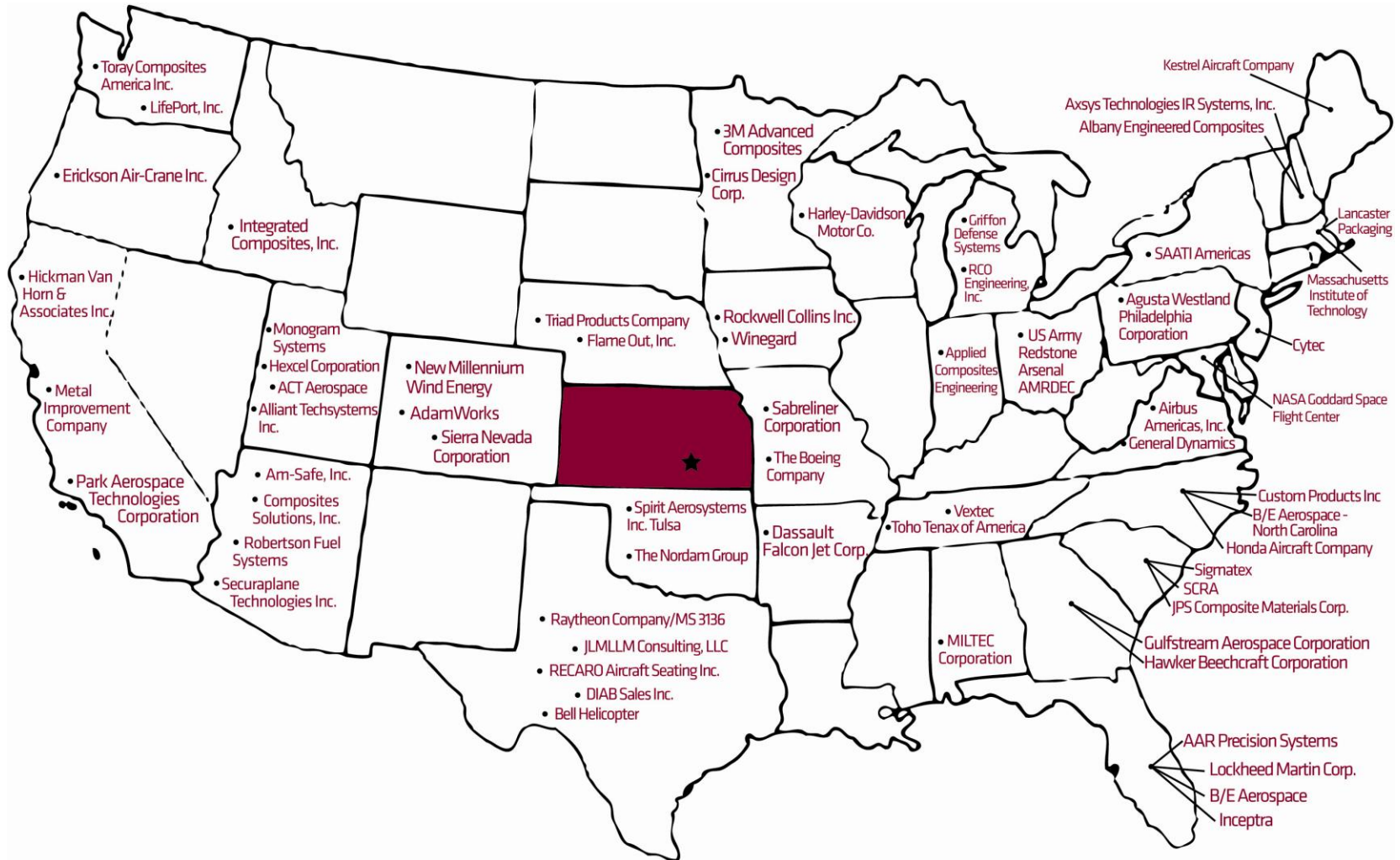
Existing Partnerships: Kansas

★Wichita

|	
McFarland Research & Development, Inc.	Colin Snyder
Aerospace Systems & Components, Inc.	Envision Industries
AMETEK Advanced Industries Inc.	Aero-Mach Labs, Inc.
Absolute Calibrations & Consulting Services LLC	Bombardier Aerospace
USB FireWire/RR Business Ventures, LLC	Rapid PSI
AMETEK Advanced Industries Inc.	Benecor, Inc
Mid-Continent Instruments and Avionics	EAS Corporation
Leading Technology Composites, Inc	RV Products
Boeing Defense, Space and Security	Benecor, Inc
Wescon Products Company	CIBOR Inc.
Burnham Composites, Inc	Spirit AeroSystems Inc.
Harlow Aerostructures LLC	The Boeing Company
Senior Aerospace Composites	Work Force Alliance
Aerospace Systems & Components, Inc.	J.B. Dwerlkotte Associates
Kaman Aerostructures - Wichita, Inc.	Great Plains Industries, Inc.
Airbus North America Engineering, Inc.	Goodrich Cabin Systems
Hawker Beechcraft Corporation	JR Custom Metal Products
Wichita Area Technical College	Electromech Technologies
North American Aviation, Inc.	Cessna Aircraft Textron
Millennium Concepts, Inc.	Bombardier Aerospace
Kollsman, Inc/Elbit Systems	Cessna Aircraft Company

Manhattan
ICE Corporation

Tonganoxie
Biomedical Devices of Kansas

Olathe
Garmin International, Ltd.

Merriam
Absolute Computer Solutions

Hesston
AGCO Corporation

Wellington
Triumph Accessory Services

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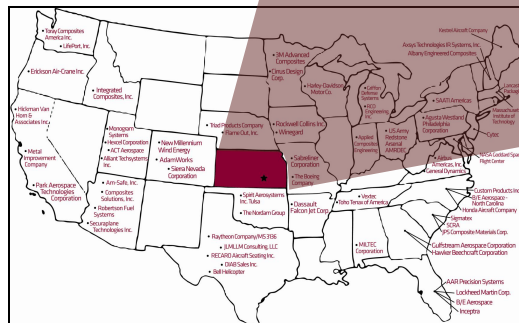
Aircraft Structural Test & Evaluation Center

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Future Opportunities

- Emerging Public/Private Partnerships
  - Further engagement with industry (ON CAMPUS)
  - Ability to train students different
- Engineering Design Center
- Expansion of NIAR Research Operations
- Build the next NIAR at WSU - Software Certification and Network Security Center
- Explore more Technology Transfer opportunities with WSU interests

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