



# Sustainment Science & Technology Panel

National Defense Industrial Association  
22nd Annual  
National Logistics Conference  
April 18, 2006

Lenn Vincent





# Panel Members

## Panel Co-chairs:

- RADM Lenn Vincent, USN (Ret.) Defense Acquisition University, Industry Chair
- Joe Grosson, Managing Director, Enterprise Logistics Technology Office, Lockheed Martin

## Speakers:

- Dr. Piero P. Bonissone, GE Global Research Center
- Dr. Robert M. Cranwell, Sandia National Laboratories
- MGEN Dennis Jackson, USA (Ret.) Oak Ridge National Laboratory



# Developing the next generation Logisticians

## *The 21<sup>st</sup> Century Demands Uniquely-Skilled People*

- Value of education increases during times of change
- Challenges and opportunities reside at the intersection of business and technology
- Curricula must transform to reflect the realities of today and tomorrow
- World economy demands broad awareness of diverse cultural, political, religious, & business issues

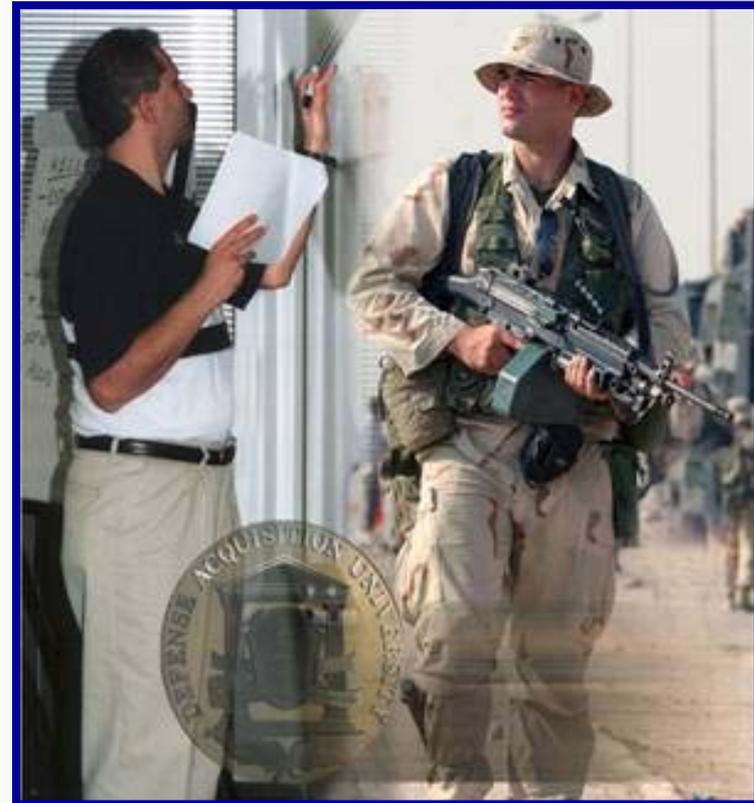




# DAU Mission

Provide **practitioner training** to enable the Acquisition, Technology & Logistics community to make smart business decisions and deliver timely and affordable capabilities to the warfighter.

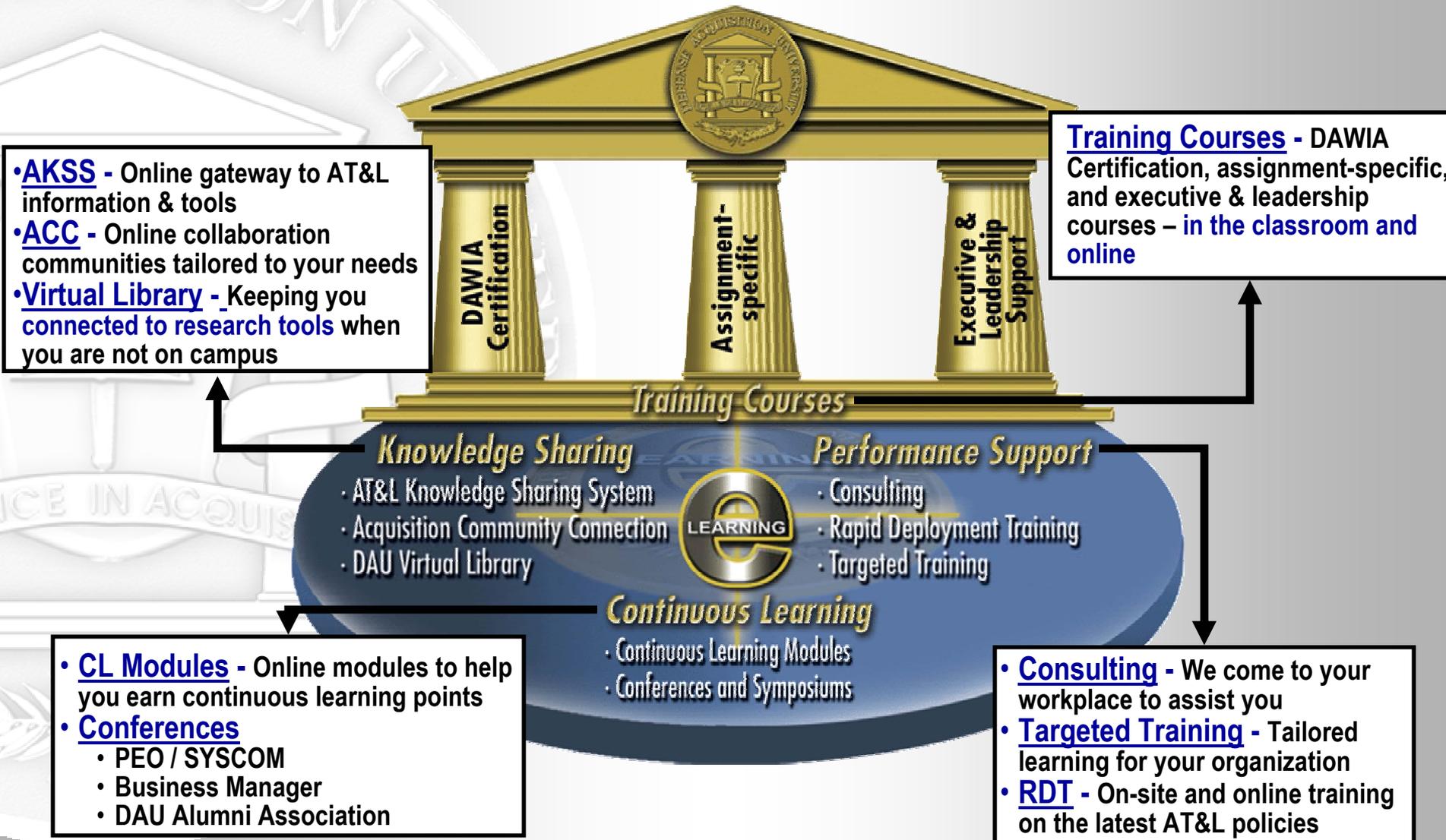
- ✓ Created by legislation (1990)
- ✓ 5 major campuses across U.S.
- ✓ 544 faculty & staff (111 military)





# DAU Performance Learning Model

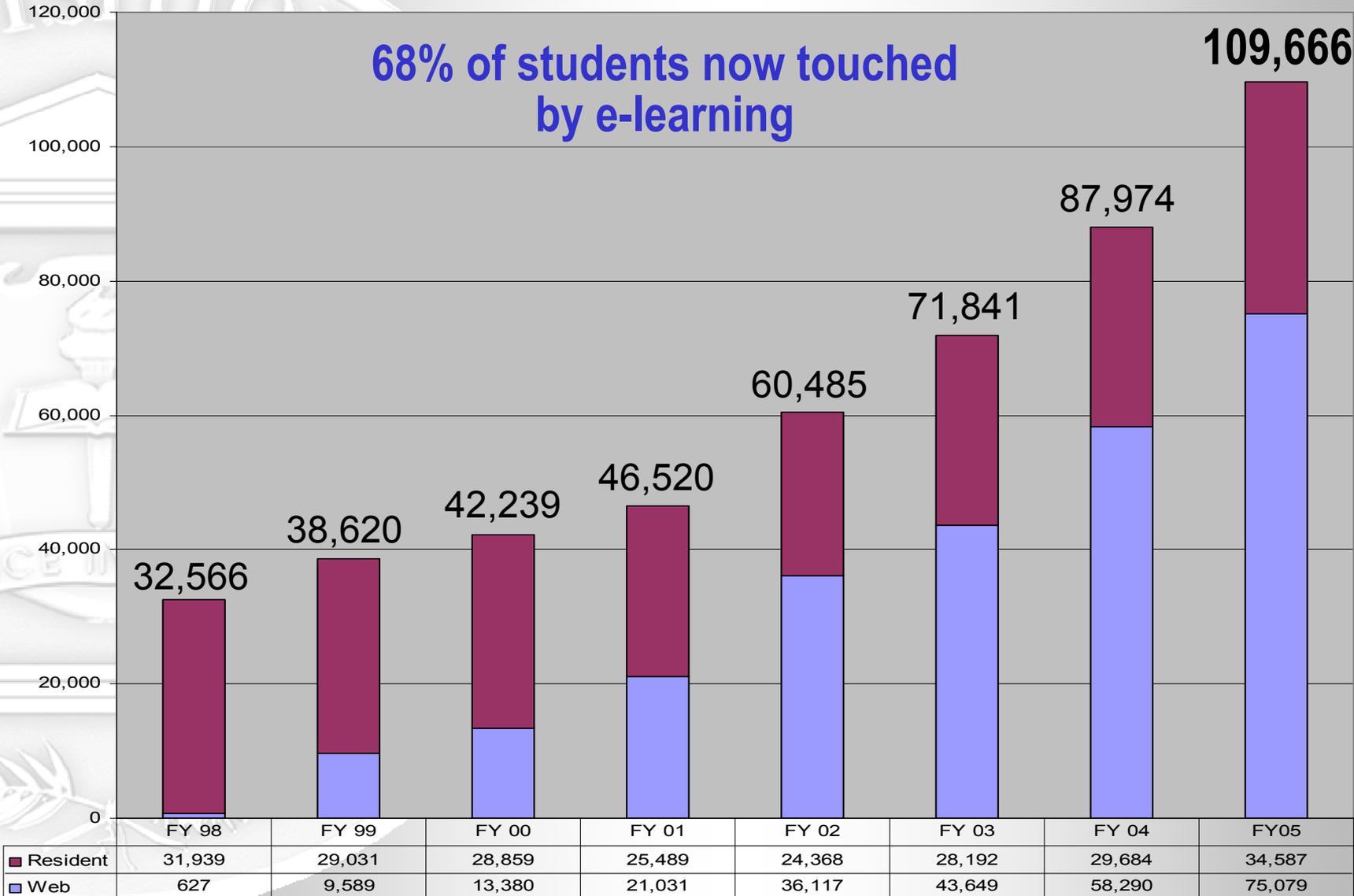
## 24/7 Learning Assets for the Classroom and the Workplace





# Reaching More of the Workforce Than Ever Before

68% of students now touched by e-learning





# Total Logistics Course Grads

**FY 2001- 2005**

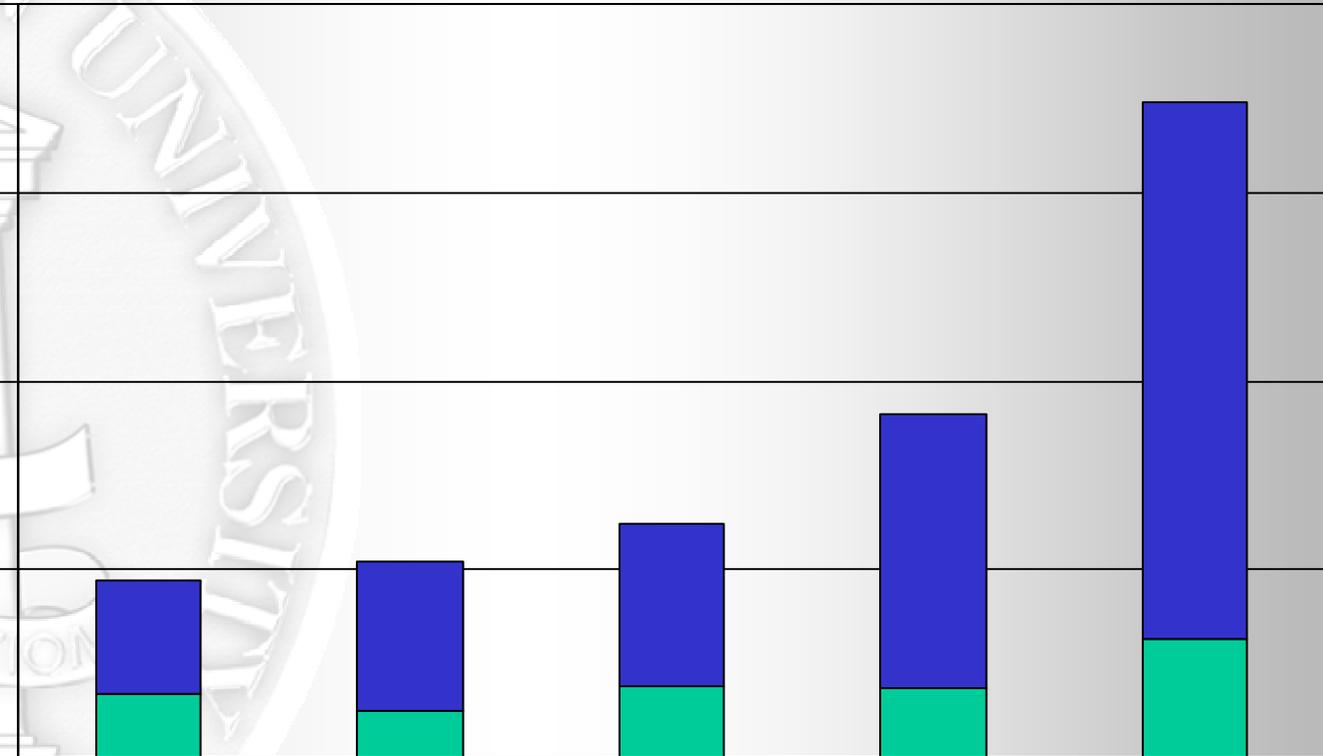
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15,000

10,000

5,000

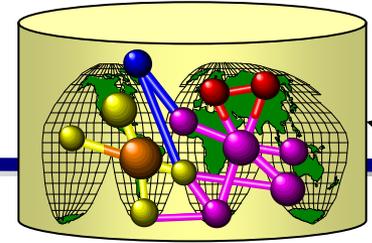
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	2001	2002	2003	2004	2005
Web Grads	3,028	3,977	4,283	7,242	14,223
Classroom Grads	1,694	1,238	1,908	1,878	3,152
Total	4,722	5,215	6,191	9,120	17,375



# Sense & Respond Logistics Adaptive, Knowledge Enabled



**GIG**

**Critical asset  
visibility**

**Interoperable  
joint  
communications  
to the tactical  
level**

**S&R knowledge-  
based  
environment**

**Rapid configuration, re-  
configuration, and  
delivery of  
mission-ready capabilities**

**Dynamically managed  
inventory of capabilities**

**Cross-service,  
cross-  
organizational**

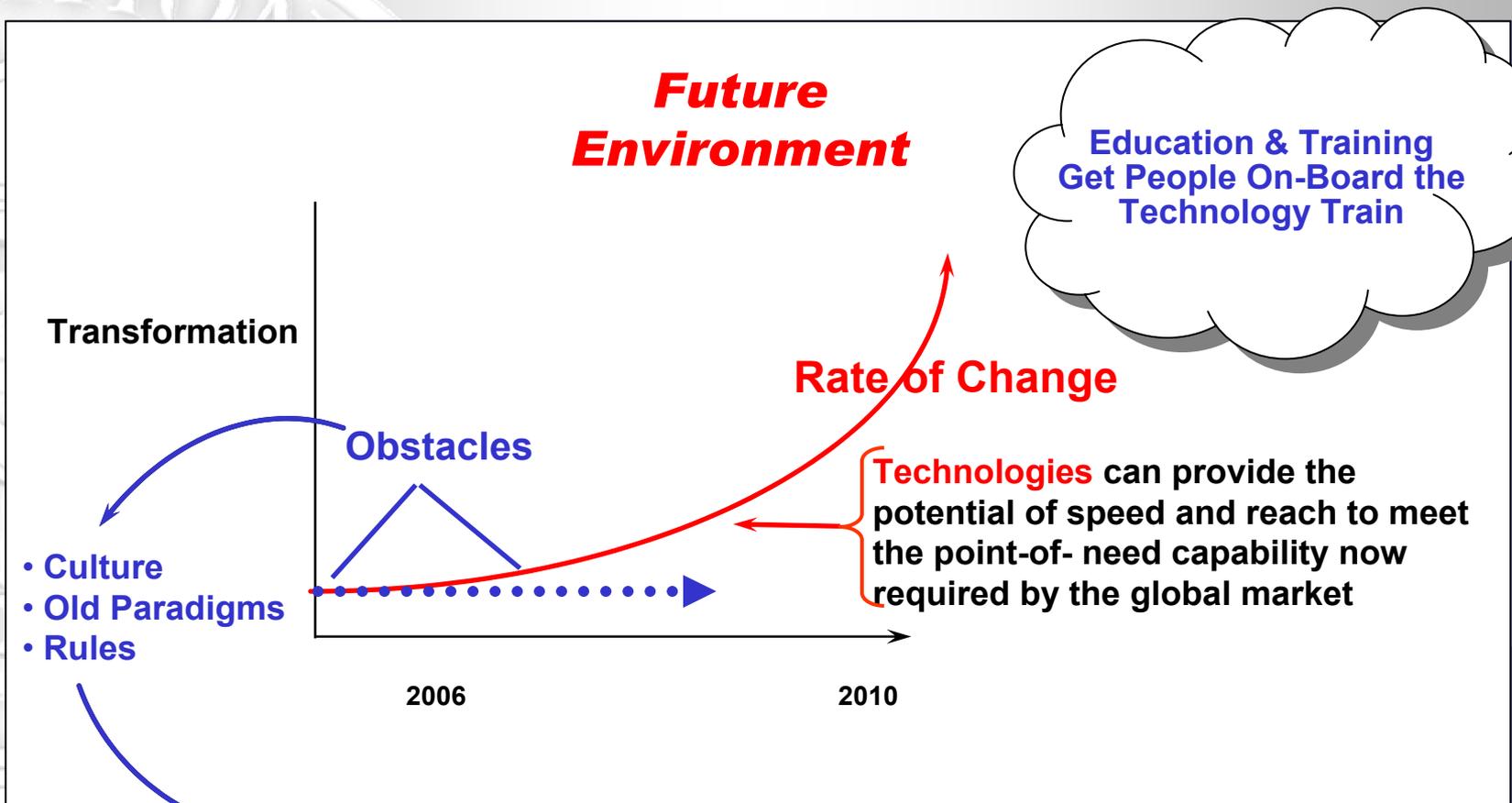
**Major DAU Research Emphasis**

**Uses transparency,  
transportation flexibility  
and robust IT to leverage  
uncertainty and manage  
risk**

**Prime metric: Speed/quality of effects**



# Barriers to Change...Are Not Technology



**People -- Keep the Transformation curve flat by holding tightly to the past without looking at the speed and scope of business change across the enterprise .**



# Accelerating Technology and Innovation to Improve Logistics Education

## *Collaboration Driving the Transformation*

- Collaboration among Academia, Industry and Government to drive innovation in the 21<sup>st</sup> century
- Universities designing curricula to tightly link technical and business disciplines

