INDUSTRY-PURDUE OPPORTUNITY PIPELINE:
An Innovative Education & Training Model Based on Industry Influence

PURDUE ROAD SCHOOL TRANSPORTATION CONFERENCE & EXPO

March 9, 2016
West Lafayette, IN

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INDUSTRY CHALLENGES

- The world is evolving and shrinking
- Reliance on aviation is increasing
- 350,000 pilots next 10 years
- Record level orders (manufacturing)
- 25,000 aircraft next 20 years
- Unprecedented employee retirement
- Boeing 50% within 5 years
- New generation of labor
- **New way of learning, doing, skills, tools, resources**
- Pool of replacement talent restricted
- In need of academic/industry pipelines
- Competing industries “pulling” talent
- 480,000 aerospace technicians next 10 years
- Recruit and retain challenging
INDUSTRY NEEDS

• Retain existing employees
• Promote existing employees
• Establish future employee pipeline
• “Build” the future employee
• Recruit and retain future employee
• New skills and certifications
• Communicate needs with academia
“CRADLE TO GRAVE MODEL”

Interest

Education

Career

Retirement
IMPACT: INDUSTRY PARTNER

• Train, educate, retain, promote
• Develop talent management
• Reconnect with higher education
• Professional development (learn, mentor)
• Affordable, leveraged labor
• Preview of potential employees (reduced hiring costs)
• Exposure of students to industry culture
IMPACT: STUDENTS

- Project-based learning
- Exposure to leading edge technology
- Career track
- Affordability and accessibility
- Decreased tuition costs
- Educational funding opportunities
- Networking and placement opportunities
• Never the same lecture twice
• Research with global application and recognition
• Professional development opportunities
• Networking opportunities
• Development of engagement pipeline
• Research and scholarship opportunities
Q&A

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