Federal Aviation Administration

The United States Aerospace Workforce of the Future

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Federal Aviation
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Overview

- Background

- Defining the Problem

- Challenges and Opportunities

- Talent and Technology

- Focus on the Future

Background

- FAA Mission--Safety

- Current US Aerospace Infrastructure
  - US Regulated Aerospace Industry
  - FAA Employment Statistics
    - Overall Workforce
    - Safety Workforce

The "Problem"

- ## The global aviation industry is alive
  - Growth is forecast at 5% annually through 2020
  - Major aviation markets exist in every region of the world
  - New technologies and practices being adopted
- ## The aerospace workforce is not changing as quickly

Challenges

- Aging workforce that is skilled in science, engineering, and manufacturing
- Insufficient number of students graduating with math, science and technological skills to ensure a competitive edge

Opportunities

- Industry wide issue
- Economic downturn provides a catalyst
- Innovate ways to recruit and retain
- FAA Centers of Excellence
- Reset image of industry

Talent and Technology

- **Next Generation Aviation Professionals**
  - FaceBook not memos
  - Texting not talking
  - Joysticks not wheels
- **Satellite based technology**
- **Efficiency driven decisions**
- **Seamless skies….seamless workforce**

Focus on the Future

- Public Law 109-420 (December 20, 2006)
- Report of the Interagency Aerospace Revitalization Task Force
  - The Industry and Its Challenges
  - FAA is a lead member
- STEM (Science, Technology, Engineering and Mathematics) Challenge