Washington Aerospace Training and Research Center
Why a Center?

- To help stabilize the economy
  - $36B annual to WA economy
  - Nearly 1/6 WA Gross Domestic Product
  - Billions in state tax revenue;
  - $5.4B (5%) of state’s total wages
Future of Aerospace: more complex

- Rapidly advancing technologies
- Environmental necessities
Workforce out of balance with demand

- Number of qualified workers not keeping pace with current or future demand
- Changing demographics
  - Aging workforce: 4,000 leave in 5 yrs.
  - Lose skills, expertise
  - Young not choosing aerospace
- High cost of education, training hard on smaller companies
- Fractured, non-responsive technical education system
Aerospace industry solution

- Technology training and research institute, \textit{built around industry needs}
- Driven by \textit{workforce supply and demand} needs
- Facilities in \textit{both} eastern and western Washington
- Administration of campus, program coordination by \textit{Edmonds Community College}
- State wide \textit{partnerships} with community colleges and universities
- Aerospace authority \textit{board of directors primarily of aerospace mfg. companies and labor}
Vision: Simply, be the best aerospace technical training and research center for manufacturing avionics, robotics and composites
A revolutionary solution: industry driven training

- Industry designed and driven
  - Nimble to meet rapidly changing business needs
  - Customer driven curriculum- development and delivery
  - Increased student capacity
  - Flexibility of class schedules: offer day/night class at shift breaks
  - Technical experts as teachers
  - Standardized credentials based on the customer’s criteria
  - Meeting with aerospace HR directors in November and ongoing

- Facilities in Everett and Spokane
Aerospace Technical Training: unique and coordinated

**WA Colleges**
- Community Colleges
  - 2 year degrees; certificates
- Universities
  - 4-year degrees
- Center of Excellence for Aerospace
  - Coordinate research activity

**WATR Center**
- Customized technical training and research
- Centralized location for training, recruitment, assessment
- College and university coordinated, accredited courses, certificate programs
- Up-skills training for existing workers
Funding Partners

- Government funding and incentives
  - Federal
  - County
  - State

- Aerospace companies
  - Equipment, board leadership, curriculum development, company technology experts as teachers, etc.
  - Student scholarships, internships, paid training