

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, **built around industry needs**
- Driven by **workforce supply and demand** needs
- Facilities in **both** eastern and western Washington
- Administration of campus, program coordination by **Edmonds Community College**
- State wide **partnerships** with community colleges and universities
- Aerospace authority **board of directors primarily of aerospace mfg. companies and labor**



Washington Aerospace Training and Research Center

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