

Advanced Composites Center UW

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Center Location (Magnuson Park)

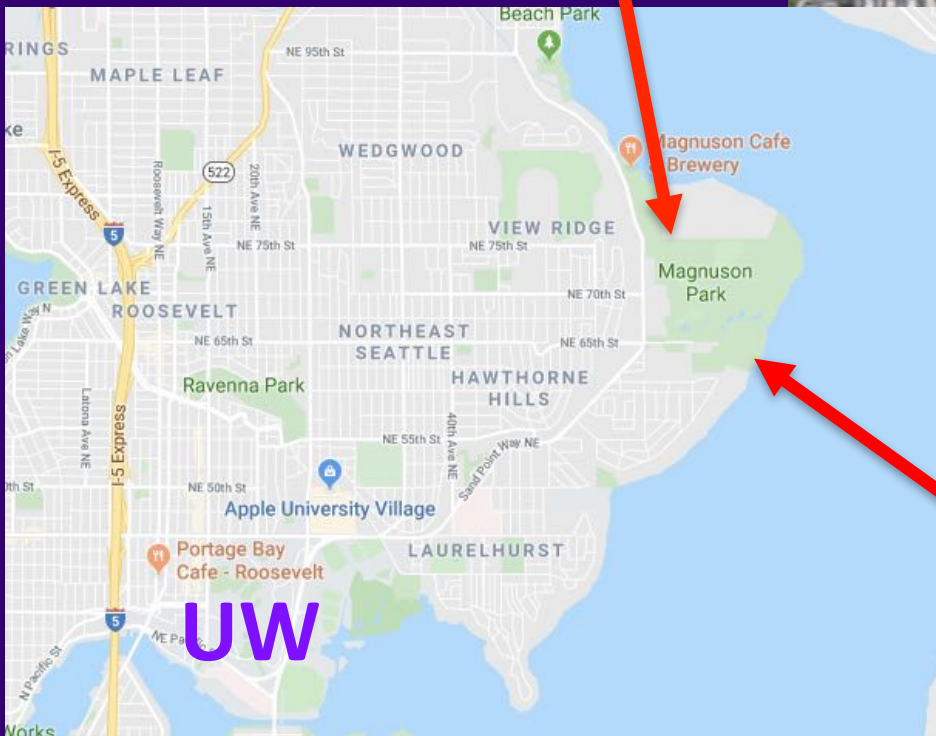


MAGNUSON PARK



Center Location (Magnuson Park)

Center location
Bus, free parking



Space 100' X 167' (16.7K), high-bay



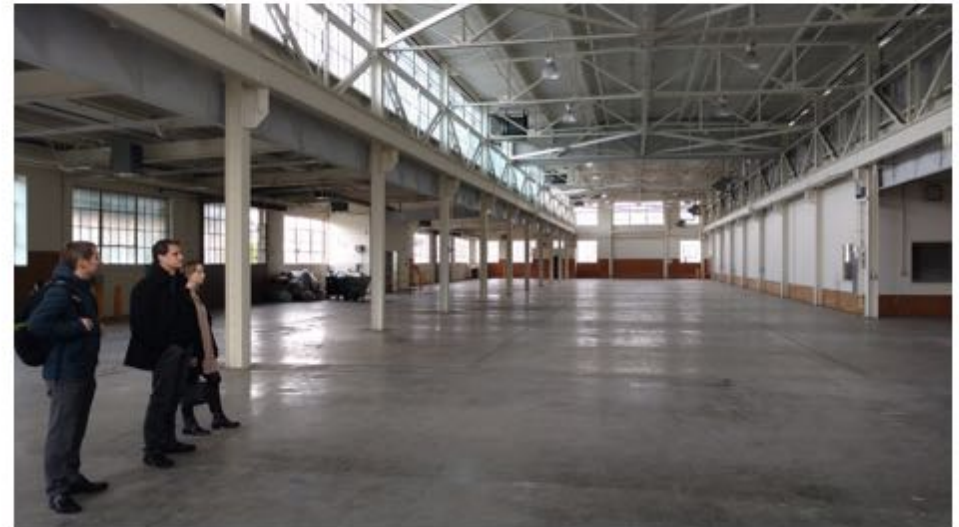
ADVANCED COMPOSITES CENTER

Center to enable cutting-edge research, validation and acceleration of aerospace materials, structures, software and production.

The center will have

- demonstrator-capable manufacturing floor (16,000 Sq ft space)
- classroom and presentation space,
- research and grad-student space,
- fully-equipped conference room,
- Shared industry user offices
- Technicians and Admin offices
- Start date: Fall 2020

**LOCATION UNDER CONSIDERATION:
SAND POINT (MAGNUSSEN PARK BUILDING)**



The Future of Next-Gen Composites

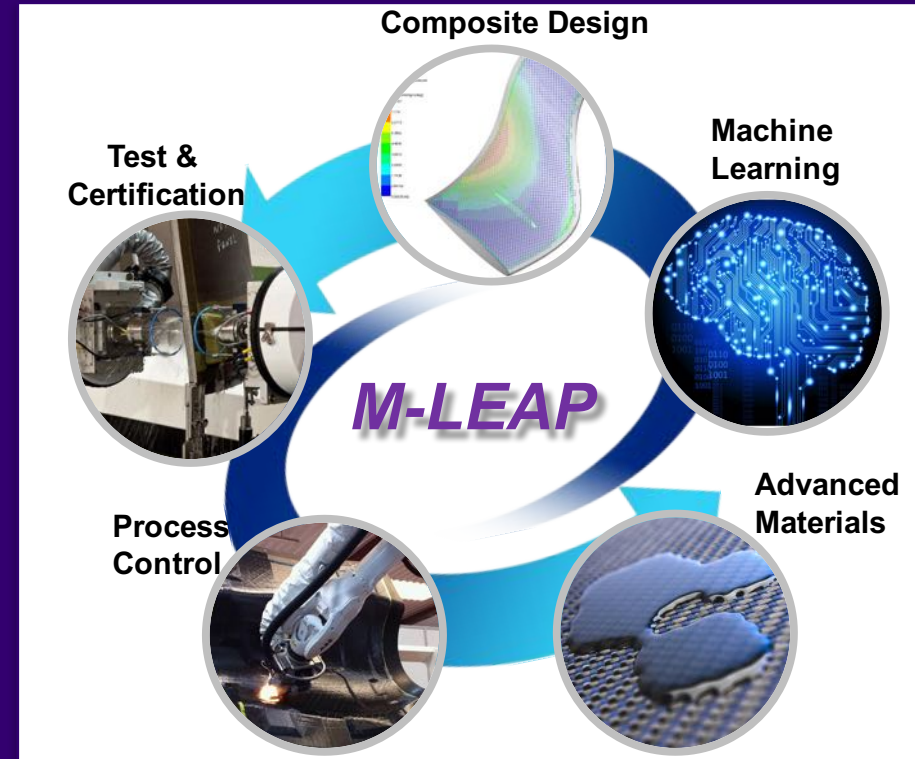


Leverages PNW strengths

- > **University and Industry Collaborations:**
(e.g., BARC: machine learning, materials, and process control efforts for composites processing)
- > **AMTAS Center:** evaluation, certification
(with links to NIAR + WSU, Florida International U., Edmonds Community College, U. of Utah)
- > **Faculty Expertise** in composites: Existing efforts:
AMTAS, BARC, New hires in ME, MSE, AA
- > **New funding:**
Money from state clean-energy funds for AFP system

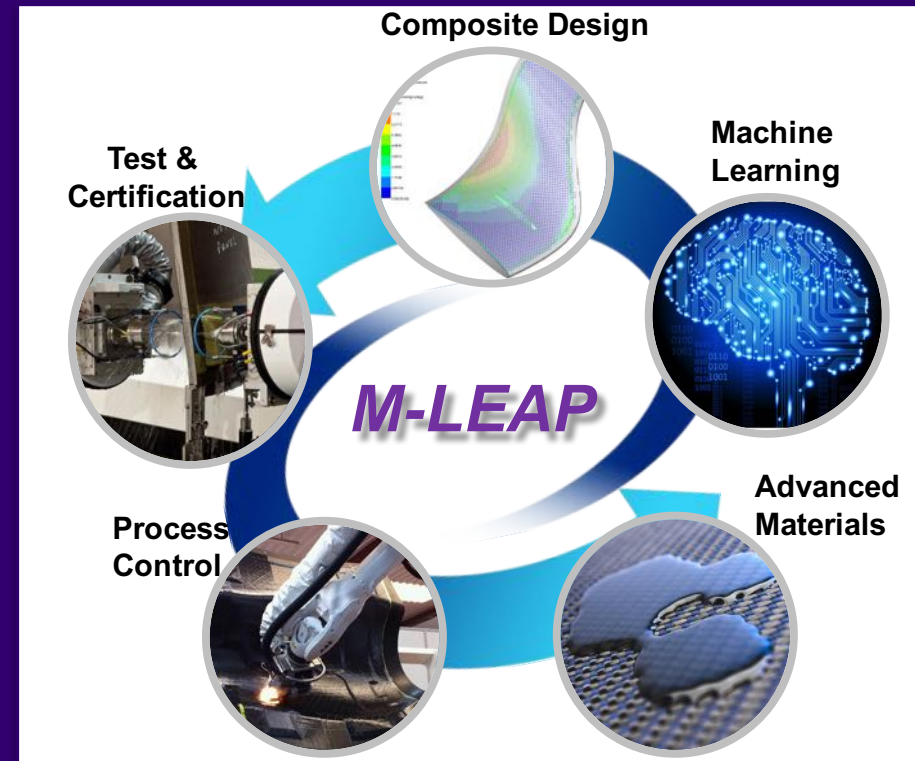
Seed funding to initiate ACC

- Based on a 2 yr effort (with Boeing)
- Automated Fiber Placement (AFP) to initiate the Advanced Composite Center
- \$1.12M state, 810K UW, 3.5M (research) Boeing (2M in cash + in-kind)
- **5.5M total**
- Focus on high-contour parts
- **Research Topics:** Machine learning, Materials, and Process Control
- **Next steps:**
 - Industry workshop in March/April
 - Build up education and workforce training efforts.

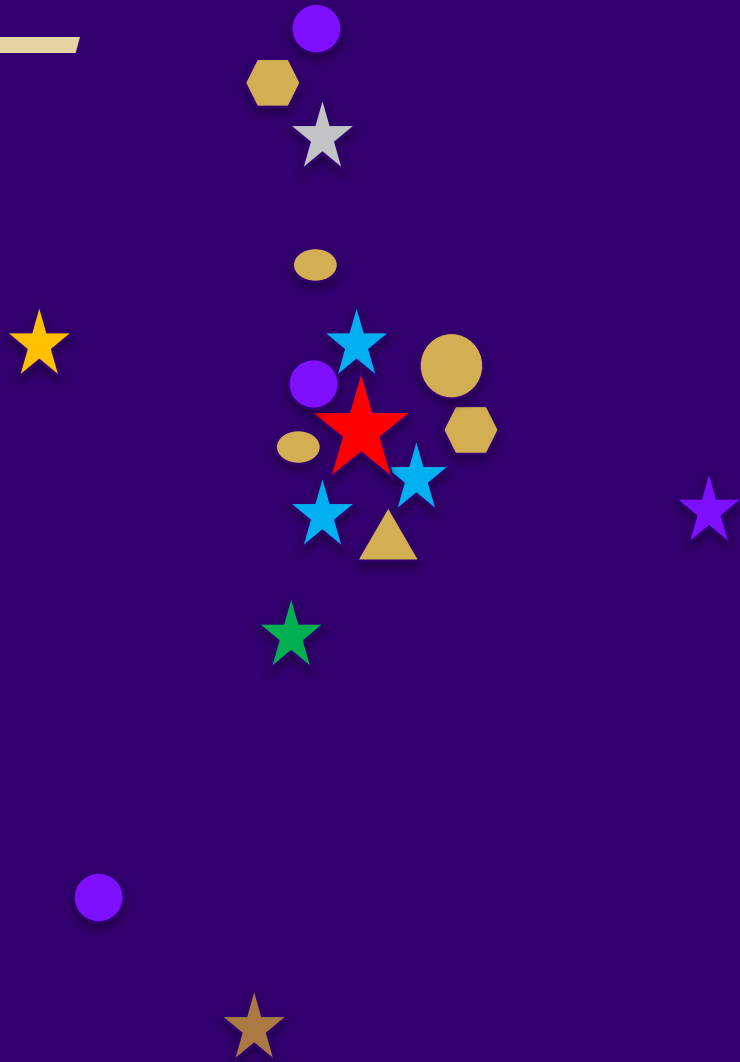


Discuss during break?

- Industry workshop in March/April
 - Workforce training,
 - Center membership issues
 - Cost-center model, with access to Equipment
- **Would like to discuss with you today during the breaks on how we can collaborate**



Summary



- Thank you
- Questions?
- Available today to discuss how we can partner on
 - Research
 - Education
 - Workforce training