“RESEARCH DRIVES INNOVATION, WHICH DRIVES ECONOMIC DEVELOPMENT”

• Innovations from research institutions as an “economic ignitor”

• These institutions attract great young minds and faculty – and also spin out new businesses
Linkages among...

... the business community, research institutions, the military, and other organizations...

... can leverage innovation and intellectual property being developed or applied in Hampton Roads
Applied Research Commercialization

- **Digital Shipbuilding** - An example of research/industry collaboration between ODU and NNS to move existing technology further down the road toward commercialization as "advanced manufacturing"

- Application to multiple industry sectors, not only building ships for the Navy
HOW WE ARE COMMERCIALIZING RESEARCH

• We can jointly turn new technology applications into new commercial opportunities

• SmallSats and Autonomous Vehicle Sectors - ODU and Virginia Tech just received two grants from the Virginia Research Investment Fund to help companies apply those emerging technologies to their particular business

• We help companies use data from satellites and drones to create new commercial opportunities
HOW WE ARE COMMERCIALIZING RESEARCH

• Cybersecurity in partnership with the Commonwealth Cyber Initiative – ODU’s Center of Excellence, Regent’s range, NSU’s DoD work, and the strong military presence here

• Biomedical in collaboration with EVMS and Sentara, through Hampton Roads Biomedical Research Consortium

• Coastal resiliency through a unique partnership between our Institute for Coastal Adaptation and Resiliency (ICAR) and the City of Norfolk
Global Incubator focused on Maritime and Coastal Issues

Mission
- Address “Wicked” and “Intractable” maritime problems
- Develop companies around innovative solutions
- Deploy high-growth, scalable businesses into the global marketplace
- Grow the Hampton Roads and Commonwealth economies

Areas of Focus
- Maritime
- Offshore Wind
- Aquaculture, Fisheries, and Environmental Technology
- Flooding and Coastal Resilience
HOW WE ARE COMMERCIALIZING RESEARCH

- **Offshore Wind**, helping the Region land the major logistics and supply chair hub for offshore Wind Energy fields off the Atlantic Coast
- **Maritime and Port Innovation** through the federally-funded OpenSeas Innovation Hub
- **Naval Sustainment** through the federally-funded Maritime Industrial Base Ecosystem (MIBE) Initiative
Virginia Institute for Spaceflight & Autonomy (VISA)

- Based at Wallops Island to focus directly on commercialization of translational research
- Provide direct support for the growing entrepreneurial, commercial, government, and academic innovation ecosystem
- Focus on small satellites, launch-on-demand, autonomous vehicles, sensors, and data analytics
The ODU Economic Development Catalyst Task Force, chaired by community leader Dubby Wynne and Nancy Grden of ODU’s Strome Entrepreneurial Center, focused on tech/high-demand talent and new commercialization opportunities.
ODU Economic Development Catalyst Task Force

• Convened by President Broderick – comprised of business/community leaders and ODU leaders

• Identify current initiatives at ODU and Hampton Roads that can significantly impact: (a) tech talent development and (b) new business start-ups

• Recommend current initiatives for expansion, especially through partnerships, as well as new initiatives to pursue

• Grow and place a targeted tech talent pipeline - Identify pathways to strengthen partnerships with regional and Virginia-based companies, other universities and community colleges, and other partners

• Grow and scale new businesses - Identify programming gaps, and opportunities to build and strengthen partnerships with companies and other entities

• Recommend implementation for organization, resources, and partnerships with other Virginia and Regional initiatives
Institute for Innovation & Entrepreneurship

- Supports entrepreneurship, innovation, and economic development as an ODU primary mission
- Establishes an integrated organization to partner ODU with the Hampton Roads community, industry, the Commonwealth, and around the world
- Offers one-stop shop for the community, students, faculty/staff, and alumni seeking resources and services for innovation, new enterprises, new programs
- Recognizes ODU’s role and reputation as a leader in strengthening the innovation ecosystem for the Region and the Commonwealth
- Philosophy of “Entrepreneurship is for Everyone”
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<th>Institute for Innovation &amp; Entrepreneurship (IIE)</th>
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<td>• Innovation Fund (TBD)</td>
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Opportunity Development Process
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