

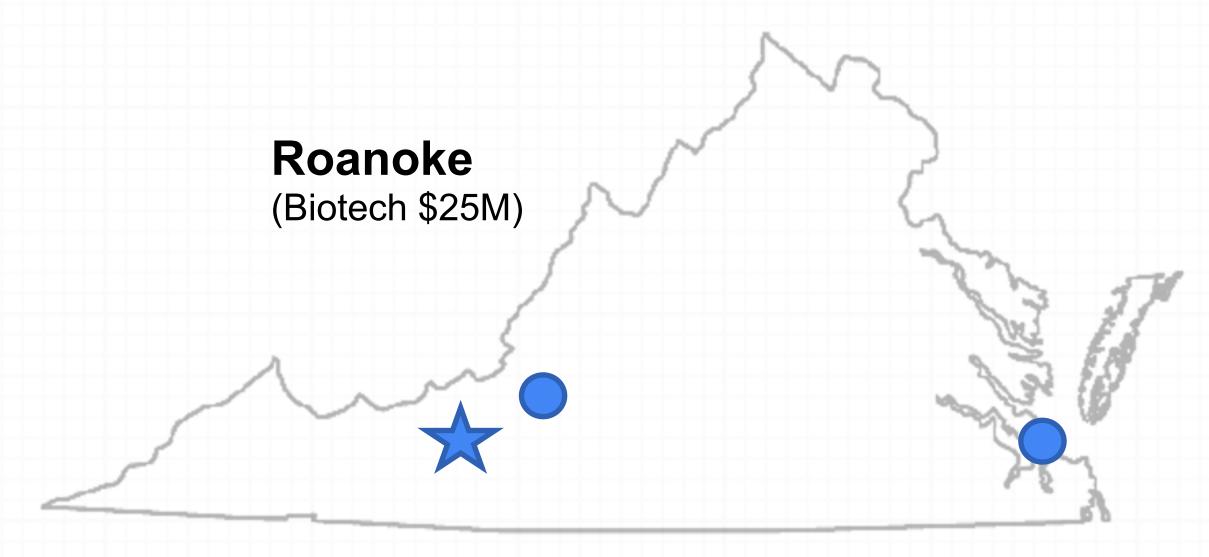


Technology Clusters

- Aerospace and Defense
- AV/EV Transportation
- > Biotechnology
- > Electronics and Sensors
- Materials
- Software
- > University Research



Locations and Markets





Blacksburg

(Autonomous and Other \$180M)

Hampton Roads (Clean Energy \$106M)





APPROACH: HAMPTON ROADS PROJECT TOUCHES ON ALL AREAS





Attract businesses with ESG goals/targets

Microgrids for reliability



Large amount of OSW connecting to the region



Natural Gas

Balancing energy source for intermittent resources (bridge fuel)



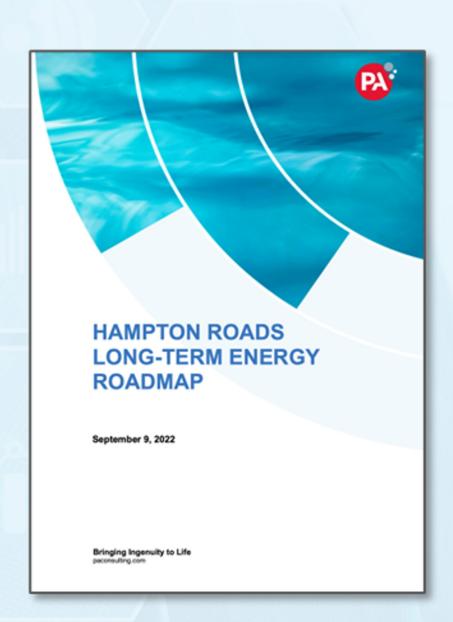
Electrification

Heat pumps, EVs, Data Center related load



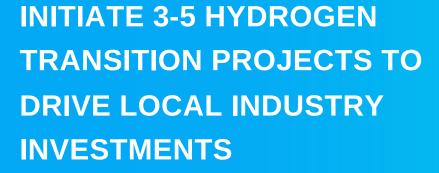
Emerging Technology

Hydrogen, Renewable natural gas, Vehicle to grid charging





GO Virginia Hydrogen Technology Center (Newport News)





ESTABLISH A HYDROGEN

COMPETENCY/DEMO CENTER

TO EDUCATE AND ATTRACT

NEW BUSINESS TO VIRGINIA



CREATE ADVANCED

WORKFORCE AND TALENT

PROGRAMS TO SUPPORT THE

CLEAN ENERGY SECTOR







STATUS:

INDUSTRY SPONSORSHIPS IN DEVELOPMENT (MARINE, TRUCKING, AVIATION, INDUSTRIAL)

HTC DESIGN UNDERWAY

BENCHMARKING AND DEMO INITIATIVES ARE UNDERWAY

PROGRAMS FOR INDUSTRY EDUCATION AND WORKFORCE TRAINING UNDERWAY

CONSORTIUM GROUPS IN DEVELOPMENT

Each use case includes full ecosystem partners:

- Production
- Logistics
- R&D
- Engine/FC vendors
- Components, and
- End users



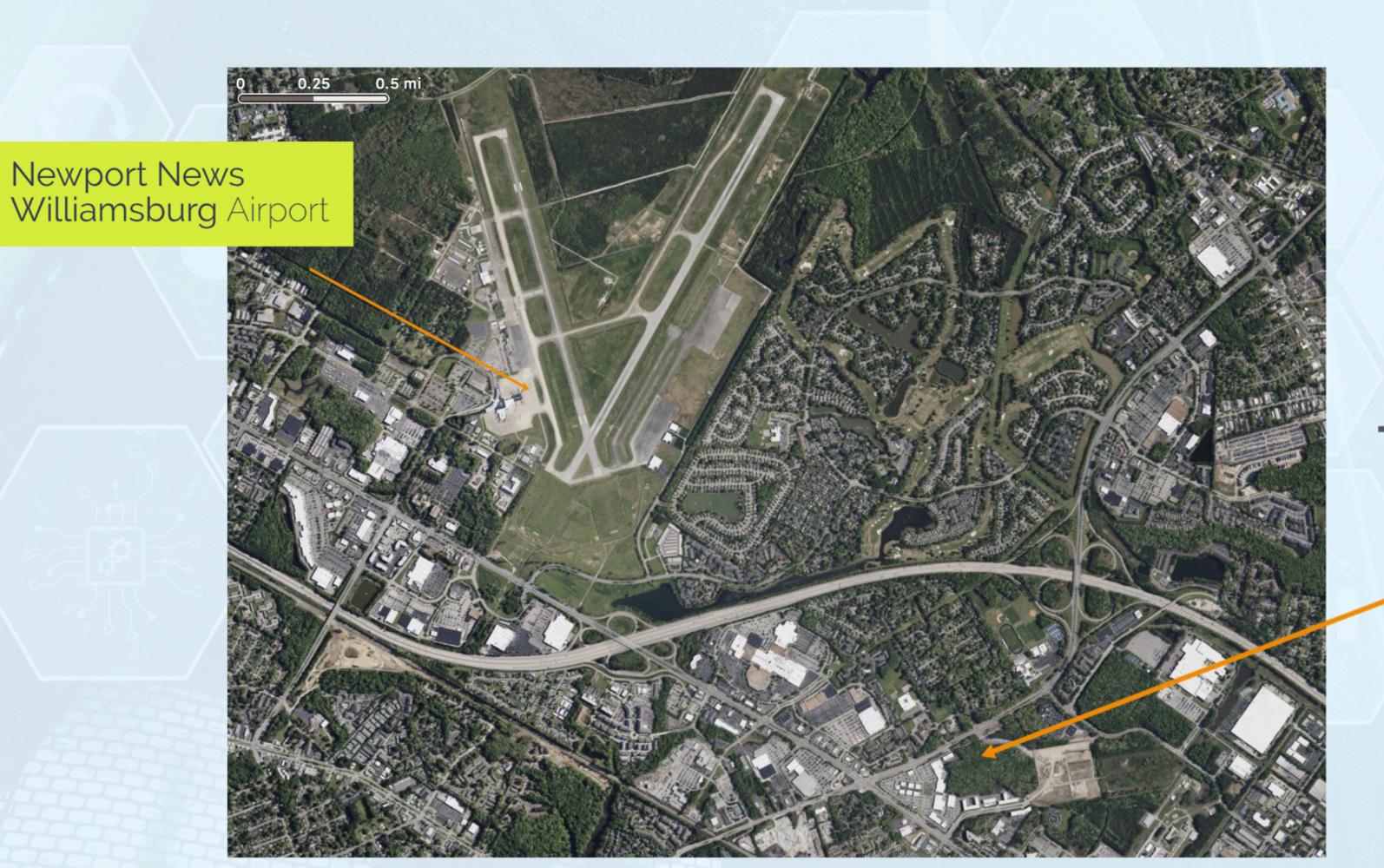
HTC IS A STRATEGIC LOCATION ON THE PENINSULA







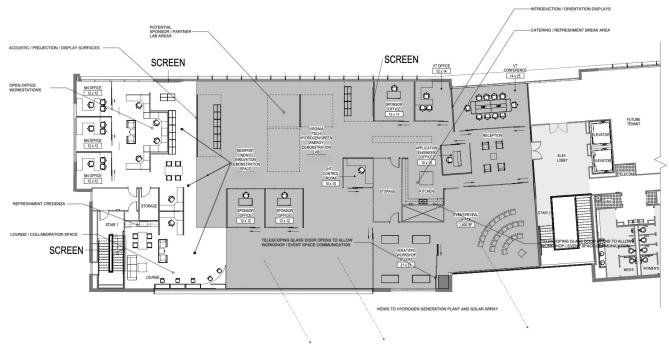






HTC Design





VIRGINIA TECH SUITE: 7,690 SF /9,074 SF RENTABLE AREA (CORE FACTOR 18%) - SHOWN SHADED NEWPORT NEWS SUITE: 2,510 SF /2,962 SF RENTABLE AREA (CORE FACTOR 18%)

TOTAL SUITE: 10,200 SF /12,036 SF RENTABLE AREA (CORE FACTOR 18%)

VIRGINIA TECH SUITE & NEWPORT NEWS SUITE

NEWPORT NEWS, VIRGNIA

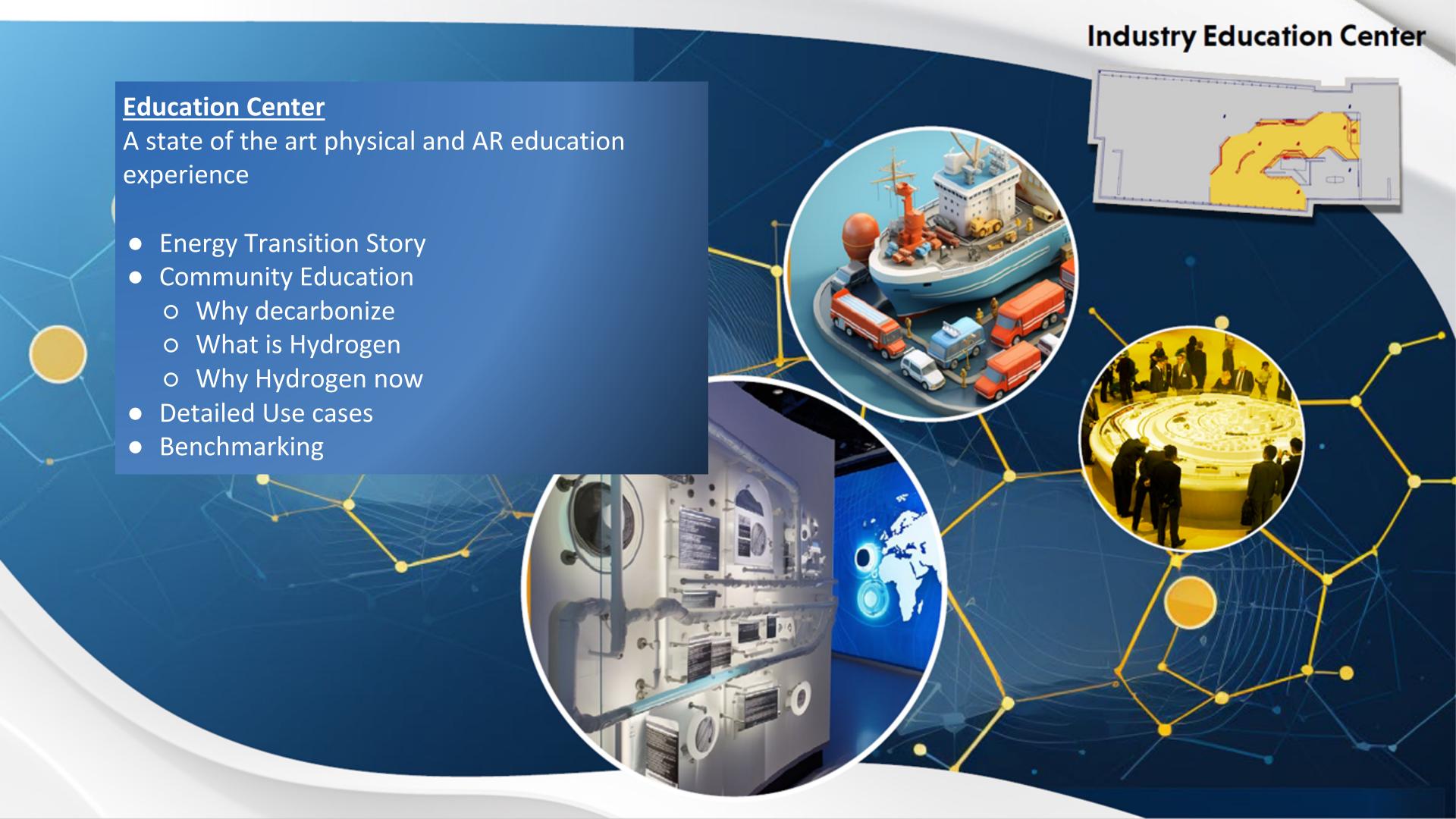














Outdoor Technology Research and Demonstration Site

 DEMONSTRATION AND RESEARCH SPACE A proposed hub for research and practical production of H2, this outdoor lot WORKING CONTROL ROOM/SYSTEMS OFFICES hosts various hydrogen-related projects. Researchers, engineers, and industry REMOTE CONTROL SYSTEMS experts collaborate to investigate production methods for cutting-edge fuel cell JOINT TESTBED FACILITIES applications. The site features hydrogen refueling stations to support the testing SOLAR PANELS and deployment of hydrogen-powered vehicles, and enables the study of energy H2 PRODUCTION storage applications. With its emphasis on innovation, this demonstration site STORAGE AND FUELING STATION plays a vital role in proving hydrogens use case in real world scenarios. HYDROGEN POWERED MICROGRID

DEMONSTRATE SCALABLE CAPACITY - DISTRIBUTED WHERE NEEDED

REVIEWING INFRASTRUCTURE IMPACT AND BEST FOOTPRINT IN THE REGION FOR DEPLOYMENT





SUPPORTING TRANSITION



CATALYZE THE
HYDROGEN
INDUSTRY IN
VIRGINIA

BUILD INITIAL
GREEN
HYDROGEN
PLANTS IN
VIRGINIA

HTC will be the East Coast destination to:

- Learn / Research
- Collaborate
- Demonstrate hydrogen-based equipment

HTC SERVICES

- Use Case Development
- Partnership Creation
- Internal Pitch Support
- Implementation blueprint
- Hydrogen Offtake
- Shipping/Storage

The HTC ecosystem is designed to demonstrate projects and catalyze the industry by creating real world applications of hydrogen.