SOUTHERN STATE EFFORTS TO
PREPARE A 21ST CENTURY
WORKFORCE:
LESSONS FROM VIRGINIA

SENATOR WILLIAM C. WAMPLER, JR.
EXECUTIVE DIRECTOR
4. **EXPAND EDUCATIONAL OPPORTUNITIES IN THE REGION BY PROVIDING ACCESS TO DEGREE-GRANTING PROGRAMS, INCLUDING UNDERGRADUATE, GRADUATE AND PROFESSIONAL PROGRAMS, THROUGH PARTNERSHIPS WITH PRIVATE AND PUBLIC INSTITUTIONS OF HIGHER EDUCATION, THE PUBLIC SCHOOLS, AND PUBLIC AND PRIVATE SECTORS.**
5. **Encourage and coordinate the development and delivery of degree programs and other credit and noncredit courses with a focus on statewide and regional critical shortage areas as well as the needs of industry. This shall include needed adult education and workforce training.**
Current Academic Partners

[Logos of various universities and institutions]
NEW BUILDING

- Classrooms – 50,000 square feet

- Three Advanced Manufacturing Bays
  - Mirrored equipment set of CCAM – Rolls Royce

- Martinsville – Henry County Economic Development Corporation: one shop/one stop with Higher Education
  - Joint recruiting efforts
  - Frequent visits with employers, existing and prospective
- Open new $18.7 million, 52,000 square foot building
  - Classrooms
  - Advanced Manufacturing training
  - Conferences, Lectures, Events
  - A home for $3 million of world-class advanced manufacturing equipment

- Conduct hands-on performance oriented training of world class advanced manufacturing equipment

- Generate student graduates with credentials/degrees that meet employer requirements

- Fill needed jobs, create employment, reduce unemployment, generate capital investment
$270,000 grant from Virginia Department of Health to train 250 healthcare workers

Grant, all sources $570,000

Remote monitoring of patients
  - Digital equipment in patient’s home
  - Improve patient outcomes
  - Reduce unnecessary readmission of patients
  - UVA Health System, Certificate as “Certified Telemedicine Technologist”
Center of Excellence
Advanced Manufacturing

- CCAM Driven
- One of three CoE’s throughout Southern Virginia as designated by TICR
- Collaboration with PHCC, DCC, VSU, IALR, K-12
- 70 – 80 student graduates per year
- Student graduates will earn third party verified industry credentials at various skill levels
- Student population: High School; VCCS; 4-year Degree; existing workforce
- Supports potential $20B downstream supply chain*
- Operating Cash:

<table>
<thead>
<tr>
<th>TICR</th>
<th>$1.8m</th>
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<td>Leverage</td>
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- Future link/feeder to CCAM Apprenticeship Academy

*Boston Consulting Group Study, CCAM, 2013
Student and faculty profile
High school juniors and seniors, dually enrolled
Paid internships, industry visits
Industry certifications: SAP, Siemens
Industry testimonials
Commonwealth Center for Advanced Manufacturing

- Adjacent to Rolls Royce, jet engine manufacturing facility
- NCI new building, scaled mirrored image
- NCI, Physical and virtual presence/link within Southside Virginia
- Future Apprenticeship Academy, $75m
i3
Investing in Innovation
U.S. Department of Education

- High School Dual Enrollment
- College Credit, VSU
  - Bridging college aspirations to college enrollment and degree completion
  - Engineering and Technology
  - Relevance and RIGOR
- Career Ready
- Industry Lead
- $2M+ in Advanced Manufacturing Equipment
- Experiential Learning – Hands On
- Evidence Based, Scale-Up
- Rural
- Utilization of Technology
- Pre-application screen successful, invited to submit full application
Center for Advanced Film Manufacturing

**EASTMAN AND COMMONWEALTH LAMINATING**

- North America’s largest concentration of Performance Films
- 1,000 employees
- 40 students per year
- Best Practices Seminars
Academic Coater Concept

Fig 1 - 3D view of the machine, same “wow” factor or more