



THE INNOVATION CENTER

Purposeful & Enabling

Innovation Center Vision

Support the university objective to attract and retain the highest caliber of students and faculty

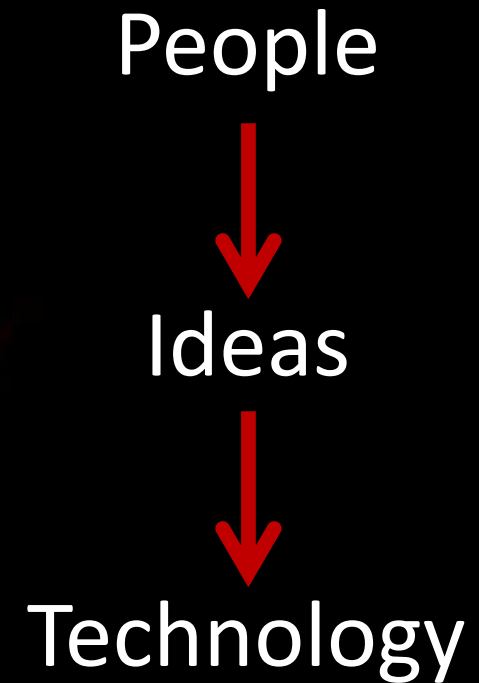
Create an intellectual center for collaboration and interactive student engagements

- Provide an agile interdisciplinary science and technology environment to demonstrate and enable education, discovery and application of ideas
- Enhance student academic learning experience by immersing them in critical thinking scenarios
- Establish industry, government and academic partnerships to support programs of mutual interest

Utilize an infrastructure of interactive networks, instruments and data mining techniques that will reshape our institution

Fusion of Innovation Center Roadmap to Clemson's 2020 Roadmap

1. Top Students
2. Top Faculty
3. Creative Engagement
4. Competitive Infrastructure





STUDENT-CENTERED ENVIRONMENT

Student-Centered Environment

TECHNOLOGY INFRASTRUCTURE

Clemson's future is a complex map of interactive networks that constantly mutate and reshape the fabric of the institution

The new central campus innovation center will accommodate the dynamics through our campus Science & Technology infrastructure that encourages student-centered learning



AN ACADEMIC GAME CHANGER

We will create an intellectual center
for collaboration and student engagement

21st Century Education

What are the critical skills our undergraduate students need?

- Technical depth, multidisciplinary breadth
- Creativity & innovation
- Entrepreneurial outlook
- Communication skills
- Ability to work well as a member of a diverse team
- Global knowledge and experience
- Commitment to lifelong learning

**New facility
must support**

Science and Technology Focus Areas

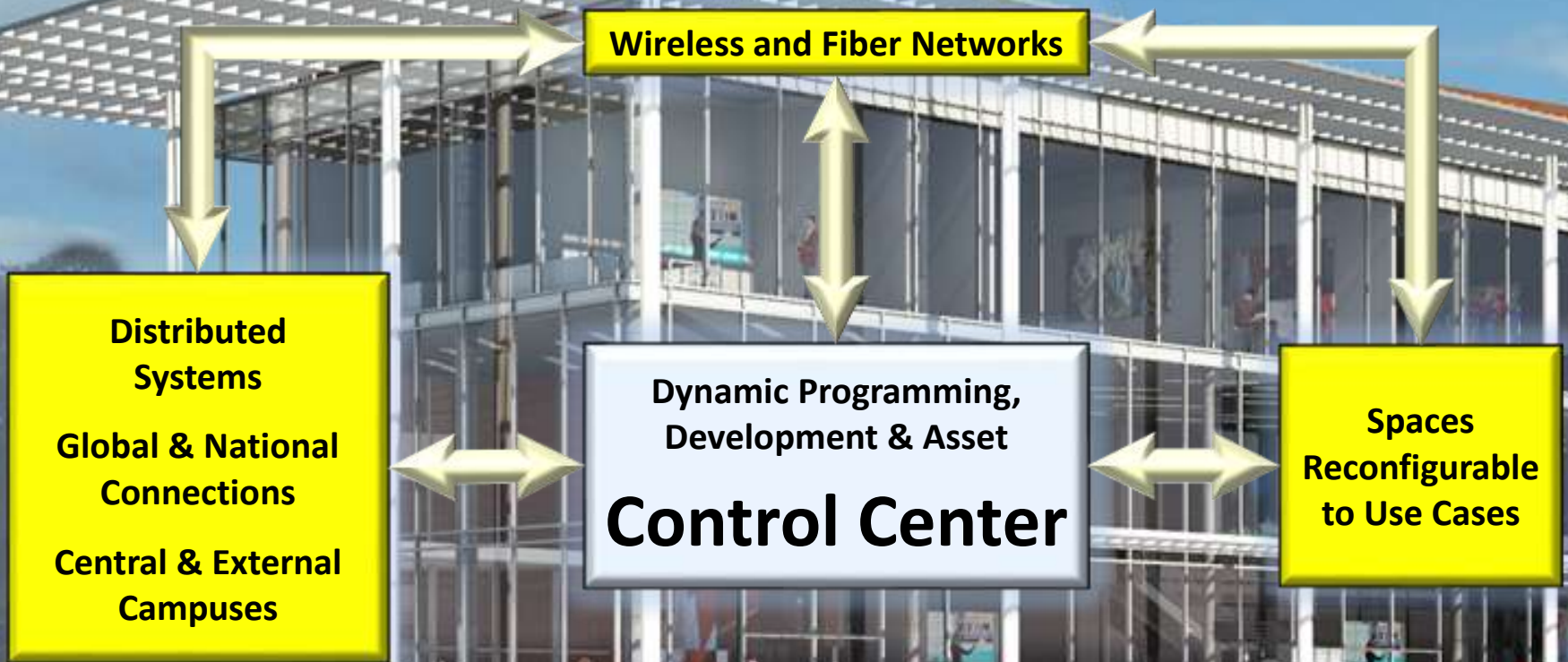
Academic quality and experimental learning activities require rigorous science and technology assessments, scholarly research and conventional experiments to support transformation of faculty and student engagements.

- Material Analytics
- Cyber Software Defined Networks
- Medical and Healthcare
- Social Analytics
- Informational Knowledge and Discovery
- Technology Driven Economics and Sustainability
- Entrepreneurial Leadership
- Architecture Technology and Sustainability
- Computational Biology and Technology Applications

Academic Focus Areas

- Academic Faculty and Interactive Learning
- Student Engagements
- Partnerships and Scholarly Research
- Technology Demonstrations
- Creative Inquiry and Special Projects
- Collaboration Across Disciplines
- Creativity and Emerging Technologies
- Progressive Use of Autonomous Processes
- Virtual Utilization of Interactive Infrastructure
- Leadership Development

The Basic Operational Concept Model

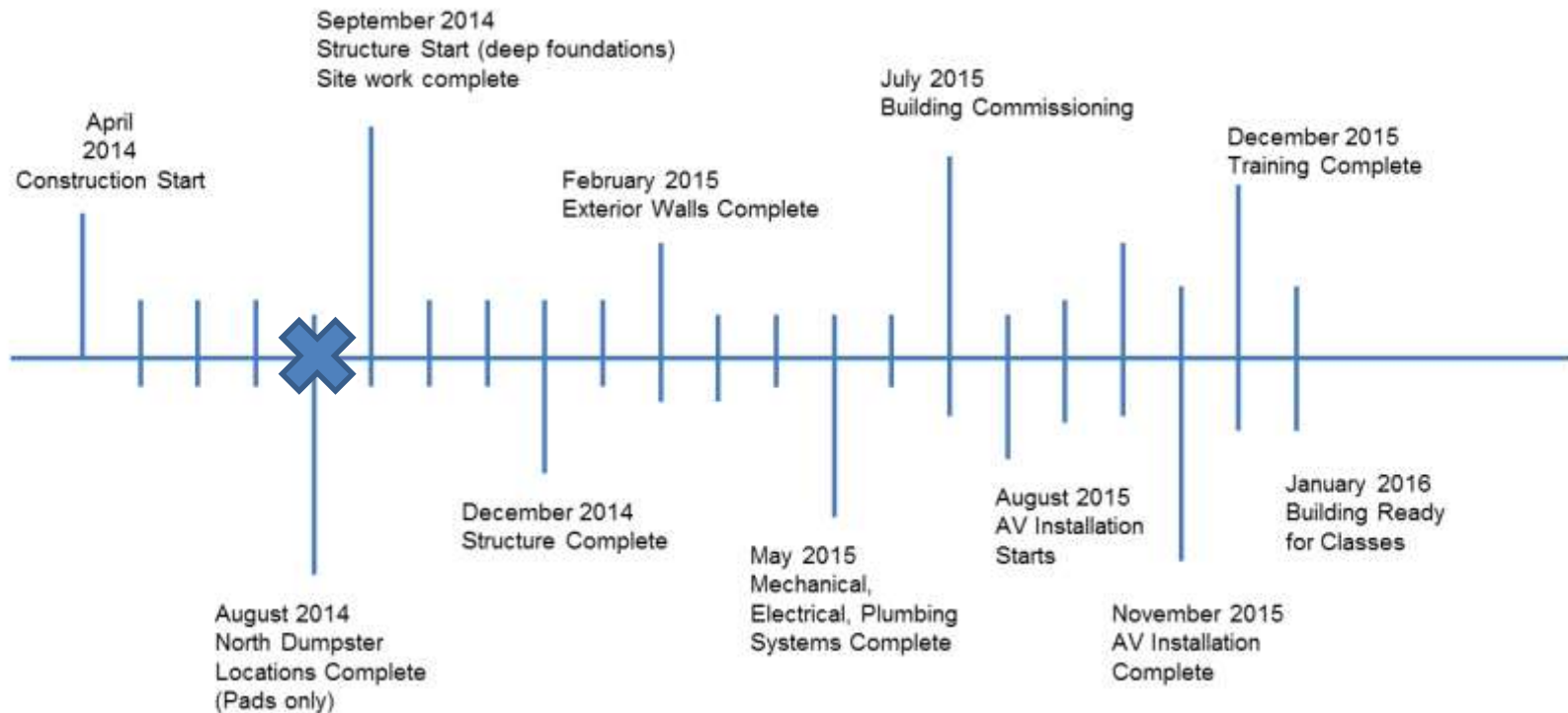


Innovation Center Design Features

- Broadband fiber and wireless controllable IT grid
- Raised flooring with modular wiring and air flow systems
- Flexible interconnectivities and modular interior walls
- LED lighting and controlled daylight harvesting sensors
- Agile interdisciplinary science & technology areas
- Industry/academic partnership areas
- Visualization systems throughout the building including classrooms, laboratories and special project areas
- Deeply programmable software modules
- Virtual connectivity to critical remote assets
- Centralized control room for electronic delivery of interactive educational engagements



Construction Timeline



Summary

- WFIC is about shaping way of the future for our students, faculty, & staff
- Emphasis on cross-disciplinary collaboration, innovation, & partnerships enabled by advanced technologies
- Up & running in January 2016

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