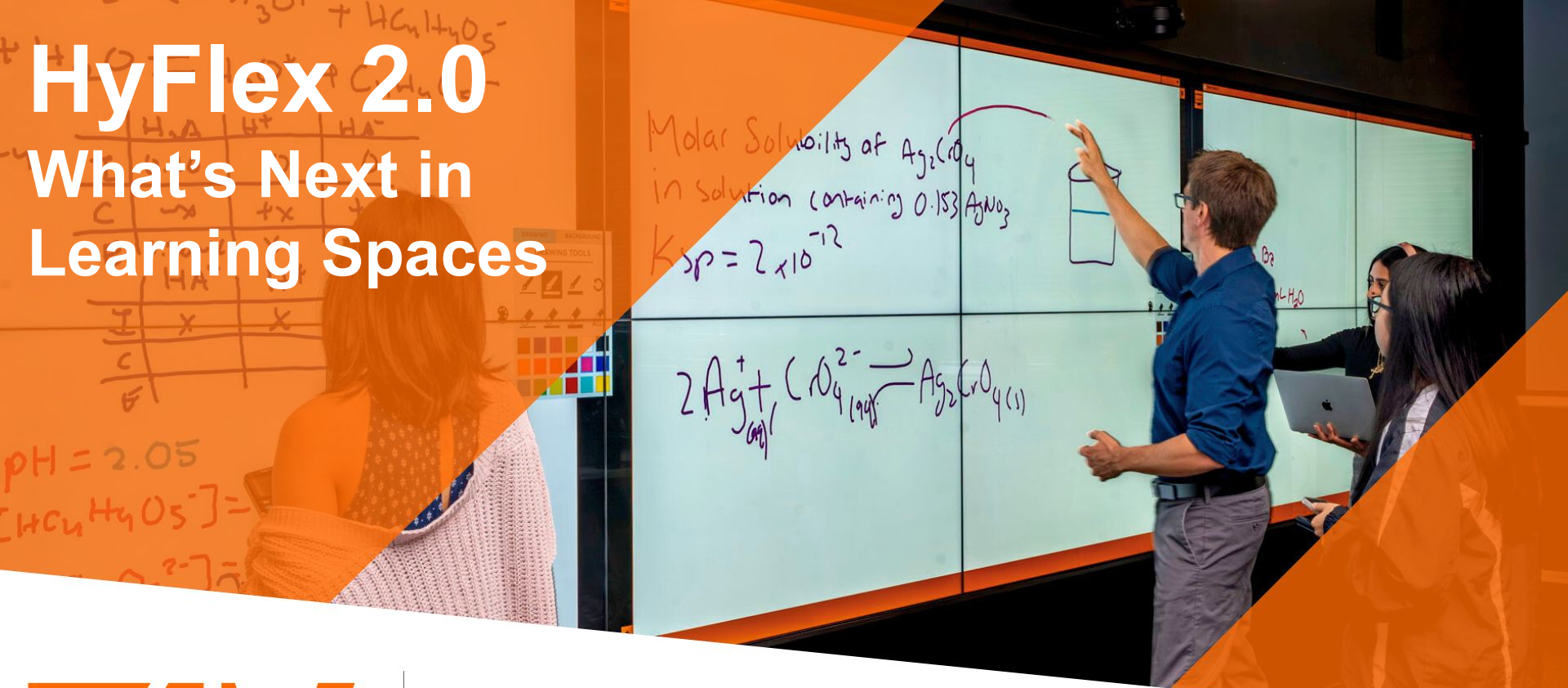


HyFlex 2.0

What's Next in Learning Spaces



T1V

COLLABORATE
ANYWHERE

Introduction



PLANAR

Megan Riddle

Senior Director of Sales, DC Metro

megan.riddle@planar.com

410.908.5426



T1V | COLLABORATE
ANYWHERE

Josh Strecker

Solutions Architect

jstrecker@t1v.com

704.247.0385

Agenda

- Intro to T1V + Planar
- What is HyFlex?
- The state of Learning Spaces
- HyFlex Solutions Overview
- Case Studies
- Q + A

Who we are



founded in 2008



based in Charlotte, NC



passionate team of engineers | developers
sales + marketing | strategy | r+d | operations



our mission:

to empower teams to
collaborate anytime, anywhere



A TEAM WITH
ONE VISION



CHARLOTTE BUSINESS JOURNAL



2020
BEST PLACES
TO WORK



CHARLOTTE BUSINESS JOURNAL



2023
BEST PLACES
TO WORK

What we do

T1V is a **visual collaboration software** company.

T1V is a **leading innovator in large-scale, interactive software** technology, with 23 issued patents in visual collaboration software.

Our software **ecosystem supports total interoperability** with the many devices, programs, and platforms of today's hybrid meeting and learning spaces — enabling our customers to truly **collaborate anytime, anywhere**.

T1V Customers



PennState



SMU



LEHIGH
UNIVERSITY



OHIO
UNIVERSITY



JAMES MADISON
UNIVERSITY



what is HyFlex?

What is HyFlex?

- **HyFlex = hybrid flexible**
- *an instructional strategy*
- focus on multimodal learning options
- allows learners to choose the most suitable mode to their success
- option to attend in person, online, or both

Why it matters...

- post pandemic, students are seeking *personalized* experiences
- HyFlex offers flexibility and accommodates diverse learning preferences



image and definition source:
<https://er.educause.edu/articles/2022/3/staying-relevant-the-importance-of-incorporating-hyflex-learning-into-higher-education-strategy>

HyFlex Learning Space Dynamics

major shifts in a tight timeframe



**Room Based,
Traditional
Classroom
Learning**
Room
technology
dominates
learning spaces

100% Remote
Pandemic drives
students to
remote learning;
Major shift to
Zoom and
Teams

HyFlex
Students return
to campus;
offered hybrid
schedules +
options

HyFlex 2.0
Focus on
personalization and
accessibility; driven
by student
expectations +
improving learning
experiences

HyFlex Today

Covid accelerated updates across learning spaces:

- updated audio
- updated camera / video
- shift to Zoom / MS Teams
- modular furniture
 - ◆ to accommodate 6' separation - this has now enabled flexibility in furniture arrangements



HyFlex 2.0

Where are we taking the learning experience next?

- The learning experience has to continue to grow and evolve with the changing student
- Landscape is shifting, with a growing number of non-traditional students (adult learners, international, part-time, working professionals)
- Students are seeking flexible learning options
- Since the start of Covid, there has been a 19% increase in overall use of learning technologies
 - ◆ technologies enabling connectivity, community building, and group work



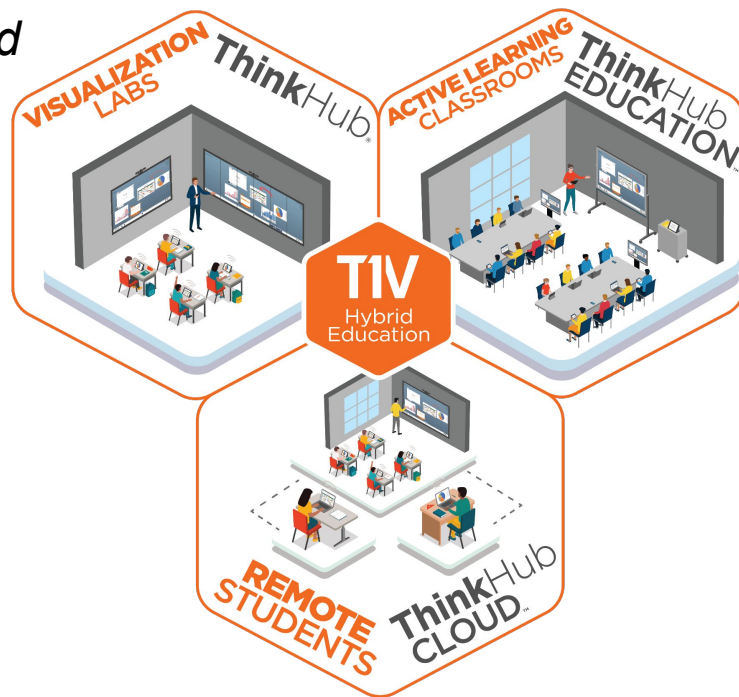
The HyFlex Challenge

New McKinsey research shows that students and faculty are eager to continue using new classroom learning technologies adopted during the pandemic, but institutions could do more to support the shift.

Simple in theory, Complex in practice

The shift to learner-centered design has upended traditional classroom settings

- The responsibility falls to the instructor to:
 - provide multiple learning modalities
 - drive student engagement
 - facilitate hybrid learning opportunities
 - **learn new technologies**
- The responsibility falls to the institution to:
 - find / learn / test new technologies
 - adopt + deploy new technologies
 - **drive training + education**



Key Challenges for IT Leadership...

- Difficult to stay on top of new technologies
- Difficult to stay ahead of student expectations
- 'HyFlex' was - for a lot of institutions - a reaction to COVID...so IT teams are working in a **dated set of guidelines**
- Very difficult to train faculty / staff (and overcome resistance from more tenured staff)
 - ◆ Find a partner that can drive this effort for you



the HyFlex learning space

More than a learning space

HyFlex is an ideology, a new way of doing business, and a strategy for providing expanded educational opportunities to students.

- **Learner-centered model**
- **Goes beyond Zoom and Teams**
- Combines online asynchronous, online synchronous, and face-to-face in person learning
- Students can switch learning modes without compromising academic goals
- Extends access to a **wider pool of students**

KEY TAKEAWAY

HE institutions must recreate and redefine their value by investing in tools to improve student success.

Source: <https://er.educause.edu/articles/2022/3/staying-relevant-the-importance-of-incorporating-hyflex-learning-into-higher-education-strategy>

HyFlex is Changing What Learning Looks Like



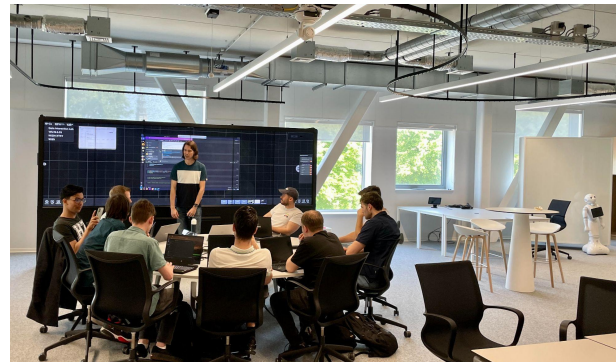
MultiSite Classrooms

- Real-time teaching + learning
- Connect multiple classrooms + campuses
- Merges satellite classrooms into shared learning environment
- Instructors and Students can connect from anywhere for total flexibility



Learning Studios

- Part classroom, part broadcasting studio
- Can support 'instructor only' or in-room students
- Highly modular furniture / tech layout to support different combinations of instructors and students



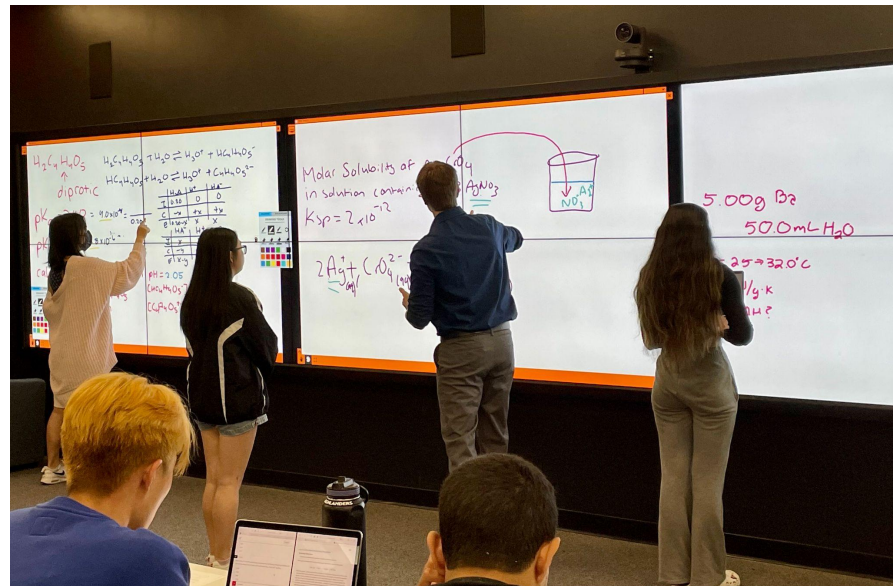
Visualization / Innovation Labs

- Large format touch screens drive visualization for instructors and students
- Video walls support multiuser / small group engagement and breakout activities

“Radical Flexibility”

Giving students autonomy over not just location and hours, but also peer interactions and workload = **gains in student engagement, performance, and retention.**

However, flexibility introduces new challenges...how do we continue to provide equal learning experiences? This is where technology platforms like **ThinkHub** and **Planar** become incredibly valuable.



Driving HyFlex Learning

While flexibility has advantages, it can also pose challenges.

TECH STACK REQUIREMENTS

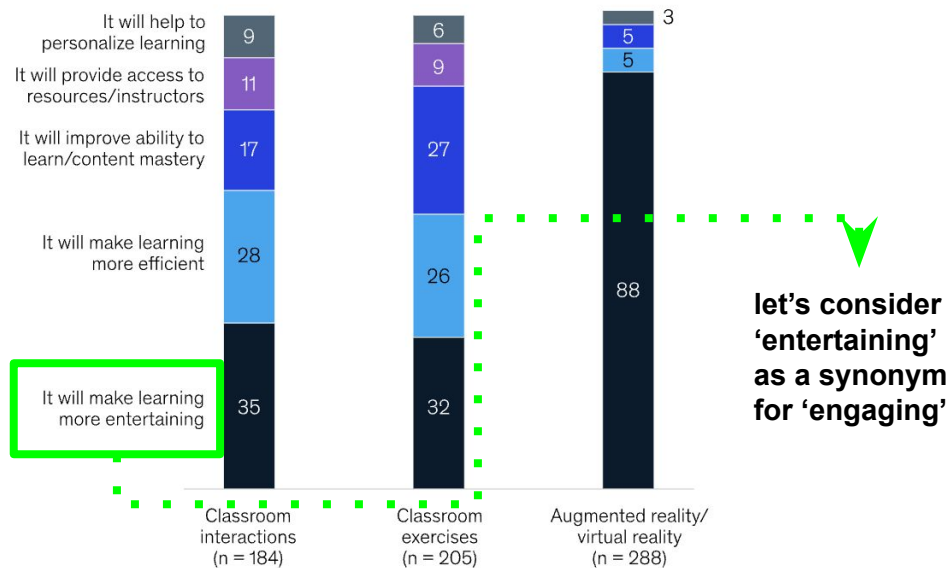
- **Robust Content Sharing** | images, multi-page PDFs, web-based apps like YouTube, and more to visualize content and annotate together in real-time
- **Interactive Canvases** | invite hybrid students to share content to Canvases that support synchronous and asynchronous collaboration + group work
- **Remote + Hybrid** | Students can access the shared interactive Canvas to visualize and collaborate from **ThinkHub Room** on-site or from the **ThinkHub Cloud** on individual devices
- **Total Interoperability** | Google Workspace, O365, Zoom, MS Teams, Webex and more...

HyFlex as a Recruitment + Retention Tool

- 70% of students say classroom technology and learning tools influence college choice
- 63% of students think institutions with modern tech capabilities have higher quality education
- Top requested resources are integrated audio visual setups, smart classroom technology, and user-friendly online tools
- Gen Z prioritizes interactive activities, multimedia tools, hands-on experiences in classroom
- **Goal: Make your learning spaces 'tour worthy' for prospective students**

Students in higher education are most excited about tools that make learning more entertaining and efficient.

Why students are excited about using learning technology in the future,¹ % of student respondents²



Note: Chart shows data for three of the eight technologies studied.

¹Question: What is the primary reason you are excited about the technologies you selected?

²Figures may not sum to 100%, because of rounding.

Source: Nov 2021 McKinsey survey of 634 faculty members and 818 students from public, private, and minority-serving colleges and universities

McKinsey
& Company

HyFlex as a Career Skill Set

- Active learning / interactive group exercises build critical thinking, problem solving, and communication muscles in students
- **HyFlex learning environments are training grounds for today's workspaces**



case studies

XCITE Center for Teaching and Learning

WATCH THE VIDEO

TIV

T1V

SMU Visualization Lab

THINKHUB VISUALIZATION LAB DRIVES REAL-TIME COLLABORATION BETWEEN RESEARCHERS, STUDENTS, AND COLLABORATORS



John Carroll University

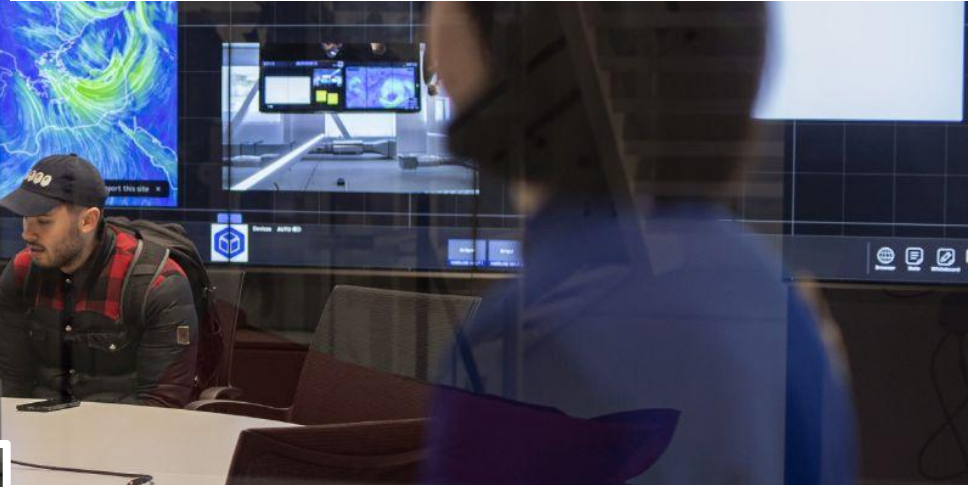
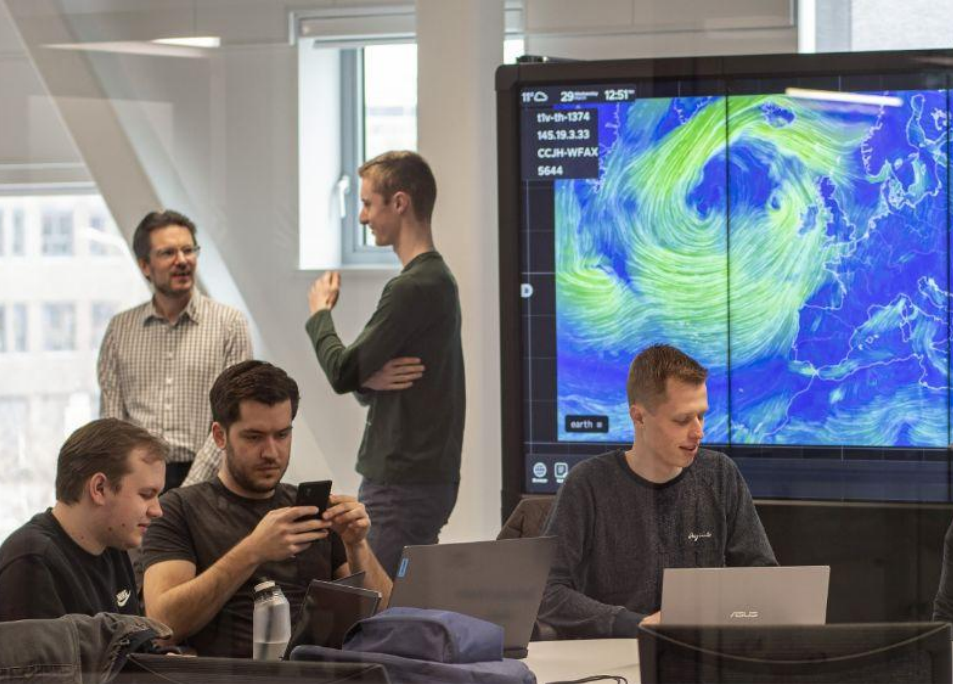
THINKHUB EDUCATION DRIVES HYBRID
ACTIVE LEARNING CLASSROOM



JRCZ Data Science Lab

HZ University of Applied Sciences

THINKHUB CREATES A COLLABORATIVE, NEXT GEN
EDUCATION EXPERIENCE FOR DATA EXPLORATION





Hofstra University

THINKHUB MODERNIZES
BUSINESS SCHOOL LECTURE HALLS
FOR FLEXIBLE COLLABORATION

T1V

**beyond the
learning space**

Additional Campus Engagement Opportunities

- Athletics
 - Recruiting Room
 - Play Analysis
 - Athletic Training
 - NIL
- Donor Walls
- Hall of Fame
- Student Union / Student Center
- Alumni Engagement



Duke University Karsh Alumni Center

TIV Story creates an interactive and transformational experience



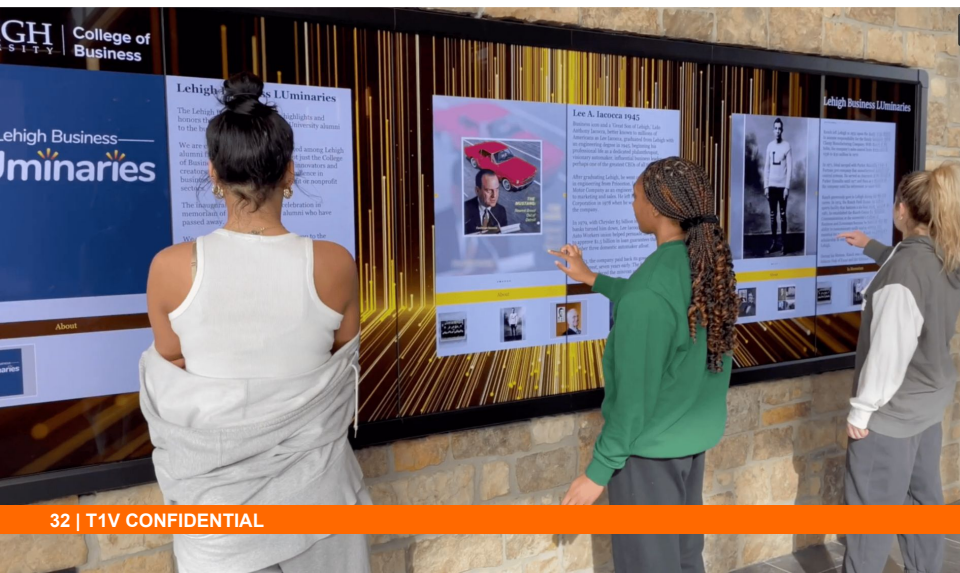
Georgia Tech College of Computing

TIV Story builds community at
Georgia Tech College of Computing



Lehigh University College of Business

TIV Story strengthens community and Drives
Interdisciplinary Learning and Education



Q + A



COLLABORATE
ANYWHERE

5025 West WT Harris Boulevard - Suite A
Charlotte, North Carolina 28269
+1 704.594.1610 | hello@t1v.com
www.t1v.com