

## Modernizing Classroom Connectivity at a Leading Public University

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In 2023, ScreenBeam supported a multi-campus initiative at a leading public research university to modernize classroom and collaboration spaces across its College of Engineering. The project aimed to create a unified, scalable wireless presentation experience that could accommodate diverse devices, support hybrid instruction, and streamline IT management.





## The Challenge

Serving thousands of students annually across ten campuses, the university's instructional technology team faced challenges familiar to many higher education institutions. As hybrid and flexible learning became a campus priority, maintaining consistent, high-quality experiences across classrooms grew increasingly difficult.

The team managed hundreds of classrooms with aging AV systems and fragmented technology from multiple vendors. These legacy systems created inconsistent user experiences, limited accessibility, and required significant technician time for troubleshooting and maintenance.

To address these challenges, the team sought a single platform capable of supporting Bring Your Own Device (BYOD) environments, integrating seamlessly with in-room AV equipment, and enabling centralized management for IT staff.

## The Solution

During the pilot phase, the project involved over a hundred classrooms and reached multiple departments within the college, highlighting both the scale and complexity of the deployment. ScreenBeam 1100 Plus was evaluated through the Higher Education Technology Managers Alliance (HETMA) Approved Program and selected based on its simplicity, reliability, and centralized control.

Following a successful pilot, the rollout expanded to nearly 120 classrooms across ten campuses. With just two technicians managing installations, the process required no external contractors and reduced setup time per room by more than half.

Using ScreenBeam's free Central Management System (CMS), IT staff could monitor and

configure all devices remotely, schedule firmware updates, and deploy settings across multiple campuses—reducing technician time and ensuring a consistent experience for instructors and students alike.

## The Impact

Across 120+ classrooms, faculty adoption grew rapidly within the first semester, and overall deployment time decreased by over 50%. Wireless casting usage increased by 326%, and the number of individual casting sessions rose by more than 1,650% year over year—demonstrating how simplified connectivity drives stronger utilization.

The transition to a unified wireless display platform significantly improved usability and reduced support tickets associated with legacy systems. Faculty could connect instantly from Windows, macOS, iOS, Android, and ChromeOS devices without dongles or software installations. IT teams reported faster installations, streamlined support, and measurable efficiency gains campus-wide.



## Key Results and Insights

Across multiple campuses, support requests dropped significantly as standardized deployments improved reliability, and instructor adoption surpassed expectations. Within the first few months, wireless usage increased more than threefold, and casting sessions grew by over 1,500%. With only two technicians managing installations across more than 120 classrooms, deployment efficiency improved dramatically.

In addition, the university began preparing for WCAG 2.1 accessibility compliance ahead of the 2026 DOJ deadline, ensuring future-ready learning environments for all users. Expansion plans included adding an additional 75 devices during the next deployment phase, supported by integration partners collaborating to include ScreenBeam in upcoming construction projects.

The success of this deployment underscores key strategies that can help higher education institutions modernize effectively:

- **Standardization improves reliability:** Consolidating multiple systems into a single wireless platform streamlines user experience and support.
- **Centralized management saves time:** Cloud-based dashboards reduce on-site maintenance and enable proactive device monitoring.
- **Scalable design future-proofs classrooms:** Flexible connectivity supports hybrid learning and evolving accessibility requirements.
- **Strategic pilots drive adoption:** Starting small and scaling quickly builds confidence among faculty and administrators.

## Continuing Partnership

Today, ScreenBeam technology supports thousands of classrooms across higher education, with adoption rates growing steadily year over year. The insights gained from this large-scale deployment directly influenced new product capabilities and best practices for future university projects.

ScreenBeam continues to collaborate with universities and colleges nationwide to modernize instructional spaces, enhance accessibility, and simplify IT operations. The lessons learned from this initiative continue to shape how institutions create more connected, flexible, and student-centered learning environments.

