



James Cook University moves to hassle-free presentations with ScreenBeam 1100 Plus

Industry: Higher Education

Service: Active Learning, Wireless
Casting and Collaboration

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DELL
Technologies



The Need for Collaboration

James Cook University's three campuses located in Townsville and Cairns, Australia and Singapore are supported by a network of study centers, clinical schools and field stations throughout the Tropics. In addition to being an international educational hub for over 20,000 students, the university plays a key role as a leader in the region's Indigenous education, research, and engagement by offering programs designed to empower staff, students and communities to reach their full potential. As a signatory to the United Nations Sustainable Development Goals, the university, with its close proximity to the World-Heritage listed Great Barrier Reef and Wet Tropics rainforest, plays a vital role in understanding and responding to not only issues of particular importance to the Tropics, but also the broader challenges facing the world and developing a sustainable future. Efficient and effective presentation and collaboration in the classroom and beyond is essential to the growing university's academic mission.

At JCU's Singapore campus, presenters have used wireless presentation tools in classrooms and meeting spaces since 2012, but ICT teams found that the success of their presentation solutions often depended on presenters having the correct hardware adapter or required that an application be installed on the presenter's device. The use of add-on applications, too often, had the effect of decreasing performance with significant latency, and calls for support added to the frustration. Additionally, with many consumer grade Apple displays deployed across the campus, presentation devices were further restricted to iOS, iPadOS or MacOS hardware. A recent move to ScreenBeam 1100 Plus wireless display receivers has not only offered presenters at JCU a more streamlined and accommodating set-up, but has also simplified administration while guaranteeing the university a more secure environment for wireless casting and collaboration.

Considerations for Success

The search for a new wireless casting and collaboration solution for the university began in 2019 when a team of JCU's ICT (Information and Communications Technology) staff at the Singapore campus were introduced to the benefits of ScreenBeam technology at the Dell Technologies Executive Briefing & Solution Center. The Dell Technologies team, trusted partners of the university for over a decade, demonstrated new approaches to wireless presentation and collaboration using Dell Large Format Displays coupled with ScreenBeam 1100 Plus wireless receivers. Convinced of the benefits of a more modern and flexible screen-sharing solution for both teaching staff and students, Vinay Peddiraju and Louie Soriano, Assistant Managers of ICT at the university, worked with Dell Technologies to develop the following criteria for the new system:



- Be a single wireless device to integrate with existing presentation components
- Accommodate presentation devices with different operating systems
- Include mobile devices and tablets as presentation devices
- Be easy for presenters to use without apps or additional software
- Provide for central management and administration by JCU's ICT staff
- Be secure by restricting rogue connections outside the presentation space
- Facilitate both classroom wireless casting and conferencing activities

After auditioning several hardware wireless solutions, including tests that would reveal any support issues with the university's most common hardware platforms for education (Android, Apple, and Windows devices), Peddiraju and Soriano installed and tested a ScreenBeam 1100 Plus wireless receiver along with Conference, a utility built into the receiver allowing wireless connectivity to room camera, microphone, and speakers. The Conference utility supports a variety of popular UC conference platforms including Zoom, Cisco, and Teams. The evaluation at JCU focused on how well the ScreenBeam unit would work with the school's existing Cisco Telepresence solutions hardware and the Zoom meeting platform (favored by the university for both learning and conferencing spaces).

The team further analyzed the in-room experience with connectivity offered by ScreenBeam 1100 Plus receivers to be sure that the school's criteria could be met with a single device and that the wireless connections that provided presenters freedom inside the classrooms were also secure.

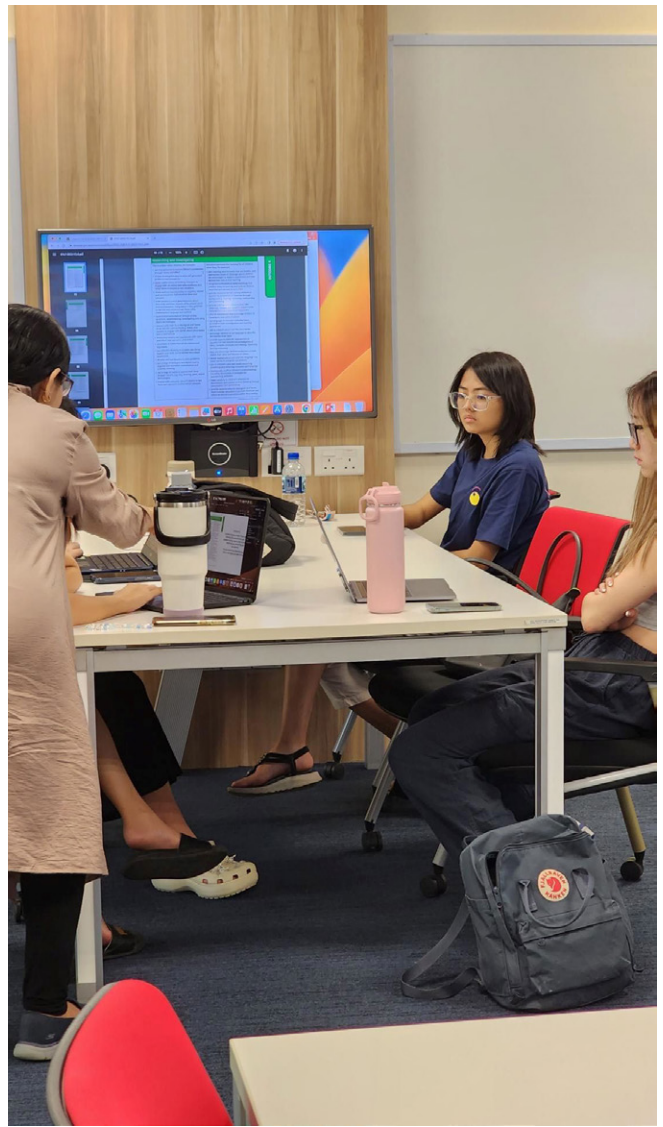
After experiencing the ease of installation, setup, and performance of the ScreenBeam units, the team was able to quickly finalize their decision to deploy ScreenBeam 1100 Plus units to upgrade both classroom and meeting spaces.

A New Environment

A total of 35 ScreenBeam 1100 Plus receivers were deployed across six rooms at the JCU Singapore campus located at 149 Sims Drive. Seven ScreenBeam units were installed in each of the school's four rooms designed as collaborative learning and teaching spaces where the primary device used to share content is an Apple Mac computer. Students and teaching staff can also elect to use any device of their own to share materials and content. Additionally, material can be shared across multiple ScreenBeam devices for a smooth and immersive learning experience.

Two other rooms were outfitted as basic classroom setups employing a single ScreenBeam receiver where a Windows PC is used as the primary presentation tool for sharing content.

The JCU ICT team also deployed individual ScreenBeam receivers to the university's three meeting rooms where the units connect with Cisco Telepresence solutions hardware and Zoom Conference software. In these flexible spaces, content is expected to be presented both locally and via video conference.



A quantum leap from JCU's older, more limiting technology, the ScreenBeam solution with the 1100 Plus wireless display receivers offers presenters at JCU's Singapore campus a BYOM (Bring Your Own Meeting) experience – the new standard for video conferencing. With BYOM, there is much less stress over the technology when starting up a meeting because staff, students, and guest lecturers can use their own device being confident that their preferred conferencing software (e.g. Microsoft Teams, WebEx, Zoom or other) will be supported.

The new presentation experience at JCU not only streamlines setup for traditional in-person lectures, but also facilitates seamless hybrid presentations — where part of an audience is on site and part is virtual. With BYOM, the ability to start ad hoc conferences and informally collaborate across sites creates a more intuitive, less structured space for working meetings, making it ideal for research and university settings.

Measuring Outcomes

JCU's move to ScreenBeam technology has reduced the dependence on adaptors of all kinds and no additional apps need to be loaded before presenting. As a result, presentation setup has become quicker, requiring fewer instructions. Plus, with ScreenBeam managing the resolutions sent to video conference hardware, less support is needed from the university's ICT team members. Most importantly, in the new environment there is no longer a dependency on Apple iOS hardware for presenters, delivering a presentation is more intuitive, and more types of devices are easily connected.

Another benefit of the upgrade to ScreenBeam technology is the company's CMS (Central Management System) that allows JCU's ICT teams to configure role-based management for single or multiple sites. Leveraging this scalable architecture, JCU administrators can now monitor and manage day-to-day operations, as well as large deployments. A browser-based interface provides at-a-glance access to critical data so administrators can maximize ScreenBeam availability to users. A CMS perpetual license is included with commercial receivers.



“What sets ScreenBeam apart is its compatibility and reliability. With 1100 Plus, our connections are rock-solid, ensuring an uninterrupted flow of information during presentations and collaborative sessions. Plus, it is compatible with a range of devices from laptops to smartphones, from Windows to iOS. That makes it an incredibly versatile tool for our team.”

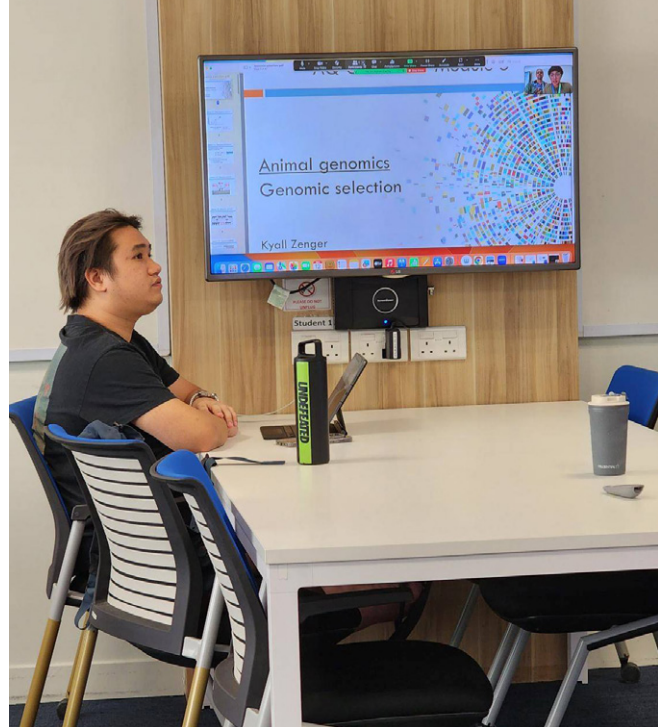
**ICT Assistant Manager,
Louie Soriano.**



“ScreenBeam has revolutionized how we work. We’ve said goodbye to the hassle of tangled cables and time-consuming setups and entered a new era of wireless collaboration that has taken our team’s productivity to new levels. For our users, the simplicity of connecting and sharing content across various devices has injected a fresh, dynamic energy into meetings, making them more efficient and engaging.”

**ICT Assistant Manager,
Vinay Peddiraju.**

Peddiraju and Soriano, who provide administrative services and support for the presentation and collaboration spaces at the Singapore campus, have noticed that the classrooms equipped with ScreenBeam receivers are the most popular with the students and tech-savvy lecturers. Those rooms are the ones most often fully occupied, and people who use the rooms seem more comfortable setting up and presenting, needing only simple instructions to get started. Best of all, the new technology has provided more freedom and less stress for presenters. They enjoy the new hassle-free environment where they can present information, engage with their peers, then quickly share their work with the larger audience.



Customer Statement

ScreenBeam stands out as the solution that genuinely caters to the demands of a modern workplace. Deploying ScreenBeam devices has redefined the way we connect, share and collaborate at JCU. Being a wireless display solution, it eliminates the need to store, manage and retrieve cables and adaptors. Plus, being device and OS independent, it has dramatically simplified the way we share content in meetings, classroom sessions and video conferences.

Screenbeam has not only simplified classroom AV setup but it has also improved mobility, allowing teachers, students, and other collaborators to share content effortlessly while not having to be stuck at a desk or a specific location. Plus, it has fostered a more dynamic learning atmosphere where teachers and ICT professionals can share screens, present content, and facilitate discussions with unparalleled ease.

Even with today's hybrid and remote working environments, ScreenBeam makes content sharing easy and gives people a sense of being connected even while being away from the university and office environments. For the school's ICT professionals, ScreenBeam's centrally managed CMS platform has made it a breeze to set up, manage, and monitor devices across multiple locations.

In conclusion, ScreenBeam has become an integral part of our day-to-day operations at James Cook University's Singapore campus and has made our information sharing and collaboration a delightful experience for both users and the ICT professionals. It has not only met but exceeded our expectations, and is now an integral part of our daily operations, reshaping how we collaborate and share information. -Vinay Peddiraju, Assistant Manager of ICT at James Cook University, Singapore.

ScreenBeam Inc., a leading wireless display and collaboration provider, delivers an app-free screen sharing experience on any modern device to bring intuitive wireless collaboration into any meeting space or classroom. To learn more about ScreenBeam and products like the 1100 Plus wireless receiver visit ScreenBeam.com.

Thank You



About ScreenBeam

Since 2014, ScreenBeam has helped K12 institutions transform learning spaces into dynamic and engaging spaces for better learning outcomes. ScreenBeam's award-winning wireless presentation and collaboration solutions make it easy for students and instructors to connect over content, increase engagement and drive positive outcomes in the classroom.

ScreenBeam solutions are designed to be flexible for straight forward deployments while being easy for users on any platform. ScreenBeam readies classrooms for the future and adapt to new learning pedagogies like hybrid learning. Only ScreenBeam is Microsoft's co-engineering partner for wireless display. Headquartered in San Jose, CA, ScreenBeam has offices across the United States, Europe and Asia.

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