

# / EDUCATION



## QUEENSLAND UNIVERSITY OF TECHNOLOGY

### THE SPHERE



The Precinct provides contemporary flexible and technology-equipped teaching spaces, and at its centerpiece is the Sphere provided by Pro AV Solutions.

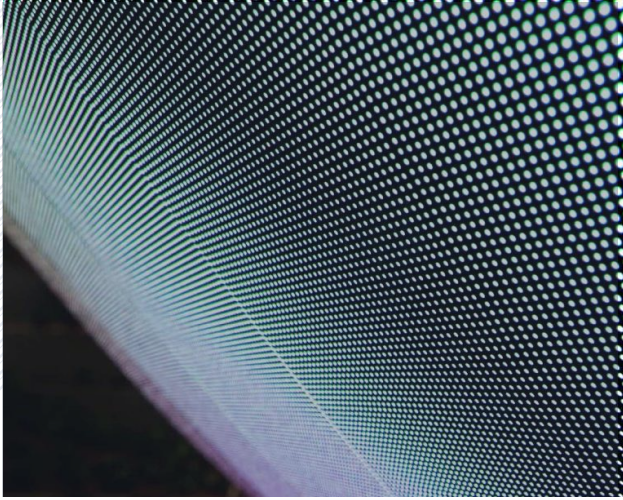
The goal for QUT was create another highly acclaimed and recognised technology-rich showpiece in the main atrium space of this newly developed building.

As the first of its kind in the world, the Sphere is comprised of 12.7 million individual LED lights, allowing the sphere to operate in full daylight. suspended over two floors is complemented by a 4.8 metre wide interactive digital LED video wall screen.

The Sphere was sourced from leading display technology company Leyard – Linso and weighs in at a modest 3.5 tonnes. It is comprised of 1040 individual panels and a total of 12.7 million 3mm pixels. Each pixel is an individual LED light.

**The LED Sphere and the complementary digital video wall touch screen are an extraordinary example of enhancing the student learning experience and continuing to provide quality teaching and education.**

Audio for the large open atrium space is brought to life by twelve Bose Edge Max speakers concealed within each floor's ceiling space, directed towards the sphere, Bose Digital Sound Processing and Application



Amplification provides the signal management to the speakers via a Dante network. Wireless radio microphone technology provides voice reinforcement to the space for presentations. The system has a central AMX control system with a 10" wall mount touch panel and mobile iPad to enable signal switching, power & audio control. The automation system also provides a service mode for testing and also to lower the sphere via a series of motorised winch assemblies to provide physical access to the sphere for any future servicing requirements.

These facilities have been purpose-designed and reflect QUT's commitment to applying technology and immersive digital environments in teaching, research and engagement. Future programs developed may include augmented reality to enhance the 3D learning experience. A climate change simulator is also under development.

The Pro AV Solutions site engineers worked tirelessly to fully assemble the sphere and install, test and commission all of the surrounding technology to bring yet another world class QUT project to life.

