



Chelsea Flower Show GOLD Medal Winning Garden

Features Future Technology from Carillion
Communications, including Peerless-AV®'s
Xtreme™ High Bright Outdoor Display

CASE STUDY

MAY
2019





AV integration specialists Carillion Communications helped deliver innovative display and presentation technology for the GOLD medal winning Montessori Centenary Children's Garden at the 2019 RHS Chelsea Flower Show. To achieve the garden designer's vision of helping children gain a highly visual, dynamic and immersive garden experience, Carillion chose to install an outdoor daylight readable display from AV technology pioneer Peerless-AV®. The Xtreme™ High Bright Outdoor Display met requirements for a screen that would be able to withstand exposure to water with beyond expectation performance.

Celebrating the pioneering vision for Early Years education introduced in Britain by Maria Montessori in 1919, garden designer Jody Lidgard's garden reflected the child-led and future-driven principles at the heart of a Montessori approach to education. The garden was designed to provide a Montessori classroom space to nurture children and teach them about the natural world alongside the modern technology that is the future of horticulture.

The choice of the Peerless-AV screen was key. The area was exposed to water all day and we needed it to work outdoors in a mix of environmental conditions for 12 hours a day for the 6 days the show was live

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Barrie Guy
Carillion Communications

The chosen 55" Xtreme display offers outstanding video quality, along with the durability and longevity for any digital signage or entertainment application. Truly sunlight readable, the display offers 2500 nits of brightness and outstanding video playback quality. Fully sealed, without the need for exhaust vents or additional HVAC equipment, the Xtreme operates from -35°C to 60°C, is IP68 rated against the ingress of moisture and dust, and features IK10 rated impact resistant safety glass.

Garden visitors could direct a fishcam to show on the Xtreme display what was happening on the pond's bed. Carillion's Barrie Guy designed and built the camera interface that gave so much pleasure to children, who seized the initiative to use the camera above ground to trace the activity of bees around the garden.

Another display in the classroom using Peerless-AV wall mounts opened every potential for children to present content. Just as business users collaborate and switch seamlessly between the slides and presentations of different presenters, so children can develop and share their own content. They can connect using local media, or from remote locations further away, such as their homes, or their gardens at home, using any device – phone, PC, iPod and the like.

The garden included more technology features, including a propagating greenhouse that doubled as a teaching area, where children could grow micro vegetables using cutting edge hydroponic technology, and a dipping pond to learn about measurement, sinking and floating in a fun way.

We're always happy to extend the boundaries of audio-visual communications technology beyond classic business and commercial applications. Collaborative and display technologies are becoming increasingly important in education, to prepare children for their future in an increasingly technological age and to facilitate learning. It's been great to see how fearless children are with today's technology; they already understand cameras and how to share content.







Barrie Guy
Carillion Communications

About Peerless-AV

For over 75 years, passion and innovation continue to drive Peerless-AV® forward. We proudly design and manufacture the highest quality products, ranging from outdoor displays to complete kiosk solutions, digital signage mounts to wireless systems. Whether a full-scale global deployment or custom project, Peerless-AV develops meaningful relationships and delivers world-class service. In partnership with Peerless-AV, you are trusting an award-winning team of experts who will support your business every step of the way. For more information, visit peerless-av.com.



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