



WORLDWIDE ENTERTAINMENT SOLUTIONS

Featuring: The Amazing Adventures of Spider-Man

CLIENT

Universal Studios Florida

PROJECT TYPE

Rides & Shows

PROJECT LOCATION

Orlando, Florida

SCOPE OF WORK

Design, fabricate, install, and program computerized Ride Show Supervisor ("RSS") to control and precisely synchronize the numerous complex ride and show elements that comprise The Amazing Adventures of Spider-Man® ride at Universal Studios Islands of Adventure™ theme park in Orlando, Florida.

DESCRIPTION OF PROJECT

ITEC created Spider-Man's Ride Show Supervisor to precisely orchestrate the elements of "ride", "show" and guest-interaction. The result is an attraction that provides guests with a very exciting experience while satisfying Universal Studios' need for reliable performance, cycle after cycle. To withstand the rigors of daily operation, ITEC implemented a sophisticated technical design, highest quality equipment and a simulation program that extensively tested and verified the Ride Show Supervisor performance under maximum load conditions. Spider-Man is located in Universal's Islands of Adventure™.



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REQUIREMENTS

- Make the control system flexible and reliable
- Make the system simple to maintain and operate
- Insure guest and employee safety throughout the ride

THE ITEC SOLUTION

Since its spring 1999 debut, The Amazing Adventures of Spider-Man® has been acclaimed as one of the most exciting theme park rides of all time. Its thrills require the perfect synchronization of many ride and show elements, including rapidly moving motion-base ride vehicles, 70mm 3-D film projection, digital surround audio, live pyrotechnics, and numerous lighting cues and special effects. ITEC Productions® created Spider-Man's Ride Show Supervisor to precisely orchestrate these diverse elements, performing reliably, cycle after cycle. To withstand the rigors of daily operation, ITEC used proven industrial-quality hardware components. ITEC then developed a sophisticated simulation program to extensively test and verify RSS performance under maximum load conditions.

The three equipment racks that contain the Spider-Man RSS are specifically designed for easy maintenance access. Operationally, the RSS is virtually a "hands-off" system, requiring minimal operator intervention. Instead, the system's dual processors split the control responsibilities: one processor automatically handles all the inputs/outputs for the ride's special effects, operator interface panels, diagnostics, and communications; the other processor, meanwhile, is devoted exclusively to show scene timings.

ABOUT ITEC

ITEC Entertainment Corporation is the global industry leader of award-winning, entertainment solutions that ignite the dreams of hundreds of millions of people all over the world. ITEC's culture of performance and innovation pushes the frontiers of themed entertainment design, production and technology to new heights. Founded in 1986, ITEC has delivered over 300 of the most successful and comprehensive guest experiences.

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With so much motion going on in the ride, plus real flames and other major effects, guest and employee safety in Spider-Man is a priority. Manufactured in ITEC's U.L.-certified facility, the attraction's RSS ties all the ride sensors and diagnostic systems together, enabling ride operators to continually monitor every element for safety.