



Project

Revenge of the Mummy™

Client

Universal Studios Florida

Scope of Work

- Create a cost effective automated Show Control System to manage and monitor the cutting edge attraction's ride & show system elements.
- Provide Technical Director services for all control systems not provided by ITEC.

Challenges

- Design, fabricate, install and commission a centralized show control system to synchronize the animated figures, show action equipment, special effects, flame effects, audio and video systems with the ride vehicles.
- Design, fabricate, install and commission the Animation Control Systems for the animated Mummy figures used in the attraction.
- Design, fabricate, install and commission the control system for the Mouth Fog Effect which pours fog out of *Imhotep*'s mouth.

The ITEC Solution

ITEC's talented team of technical designers, engineers and programmers has done it again for Universal. In addition to show control services, they provided control systems for the state-of-the-art animated figures of *Imhotep* (the most complex Universal has ever produced). ITEC also provided control systems for some of the special effects as well as provided Technical Direction for this groundbreaking psychological thrill ride. It's scary how good these guys are! Here's what they did:

- Created the show control system that orchestrates all show elements as the ride vehicles move throughout the attraction controlling every aspect of the experience from the lighting effects to the timing of the ghost effects in the high speed areas of the



coaster.

- Programmed the show control supervisory system that controls the attraction power busses and interfaces with all of the facility elements.
- Created the animation control systems that controls the animated *Imhotep* figures with over 70 analog axis and updates the position of each cylinder at 100 frames per second. This system screams - just like *Imhotep*.
- Created a sub-system that controls and monitors the operation of a very complex fog effect system designed to safely produce a large volume of fog every 24 seconds to mask the transition of the Guests as their "souls are sucked up by *Imhotep*".



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