

Application

The Lake Show takes place in a Theme Park after dark.

Dancing fountains, colorful lighting, and fireworks accent the live singers and dancers on the three islands around the lake.

Barges carry the singers and dancers from island to island for different parts of the show. Each of the four barges has its own lighting and sound system and must synchronize with the rest of the show.

Each barge's lighting and audio must be able to be controlled manually via an onboard touch screen for maintenance as well as live show override purposes.

In addition to regular nightly shows, the barges can be tied together to be used as a single stage for special events.

Solution

A **Medialon Showmaster Pro** synchronizes the audio, lighting and video equipment from the front of house Technical booth.

The many fountains are controlled by networked I/Os located on each of the three islands, where the pump rooms are located.

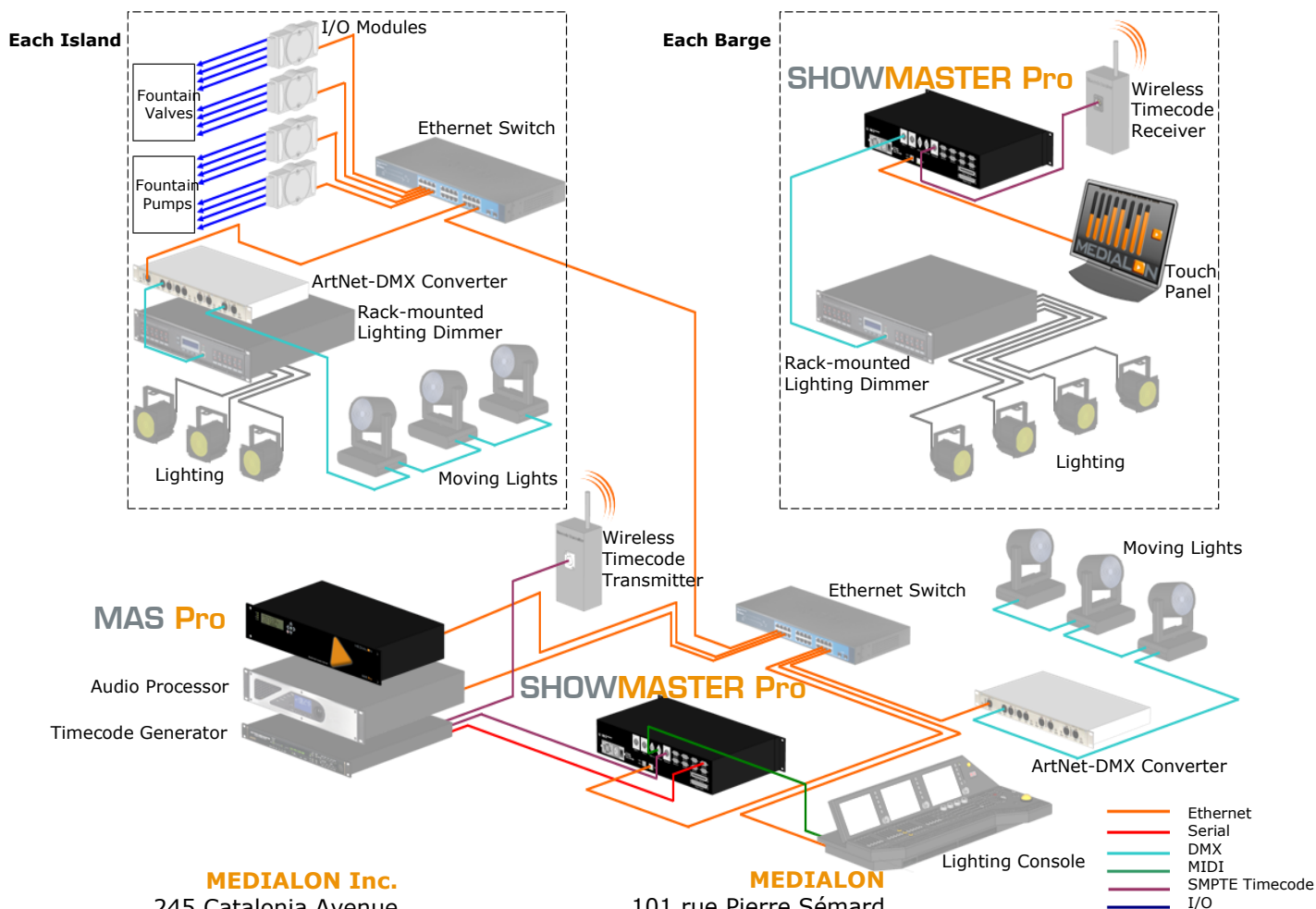
Lighting cues are pre-programmed in a lighting console and the cues are triggered by **Showmaster Pro** in time with the music using MIDI Show Control. Different lighting cues exist for different versions of the show (3 barge show, no fountain show, windy show, etc.). Depending on what elements can and cannot be used in a given night, the lighting can correspond with the show flawlessly.

Audio Playback is handled by a **Medialon MAS Pro Audio Server**, outputting audio through a digital signal processor for audio level mixing and distribution. Barges receive Audio via radio signals so show audio can play over the on-board speakers.

The main **Showmaster Pro** starts a Timecode Generator and then synchronizes its timeline to the SMPTE Timecode, which is also broadcast via radio to receivers on each barge. The **Showmaster Pros** on the barges receive the SMPTE Timecode and synchronize their timelines to follow in sync with the show. The fireworks subsystem chases the show's SMPTE Timecode and provides for manual override by the lead Pyrotechnician.

A touch screen connected to the main **Showmaster Pro** provides system status monitoring, manual control for live events, maintenance operations and show playback control. Local touch screens on each barge allow for manual show override as well as manual control for maintenance personnel.

Approx programming time: 5-7 days.



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