



Case Study: Circuit of the Americas Race Track, Austin, Texas

The Circuit is the only FIA-certified Grade 1 track in the United States, and one of only 26 Grade 1-certified motorsports facilities in the world. Construction of the 3.4 mile track project was estimated at approximately \$400 million in private investment and created approximately 1,700 construction jobs. With the help of Synchro Pro, Austin Commercial completed the project on time for the 2012 race schedule.

Main Contractor: Austin Commercial

Architect: Tilke Engineers & Architects



The Challenge:

Once the Circuit of the Americas project, a 1,000 acre sports and entertainment venue, got the green light in October 2011, Austin Industries had 13 months to get race day ready. The project's most important and detailed construction component was the track itself -- the surface over which Formula 1 race cars would roar at speeds over 200 miles per hour.

The Outcome:

Austin modeled every level of the track's surface to discuss and define scope responsibility, sequencing, and durations. They tied the color coded layers of the virtual mock-up to the schedule so that all subcontractors and team members could see the coordination required to execute the track's complex design. Using Synchro, the team was able to recover from extreme flood events and complete the track on schedule for the 2012 race. The FIA, the sanctioning body that oversees international motorsport, approved the circuit in late September 2012 for "Grade 1" status, which is the highest distinction awarded to a motorsports venue.