



## TQL Stadium for FC Cincinnati

**Fergus M<sup>c</sup>Cormick, Tim Finlay, Rob May, Joe Darcy, Gillian Browning**

*Buro Happold, Bath, United Kingdom.*

**Derrick Roorda, Phil Skellorn**

*Buro Happold, Los Angeles, United States*

**contact:** fergus.mccormick@burohappold.com

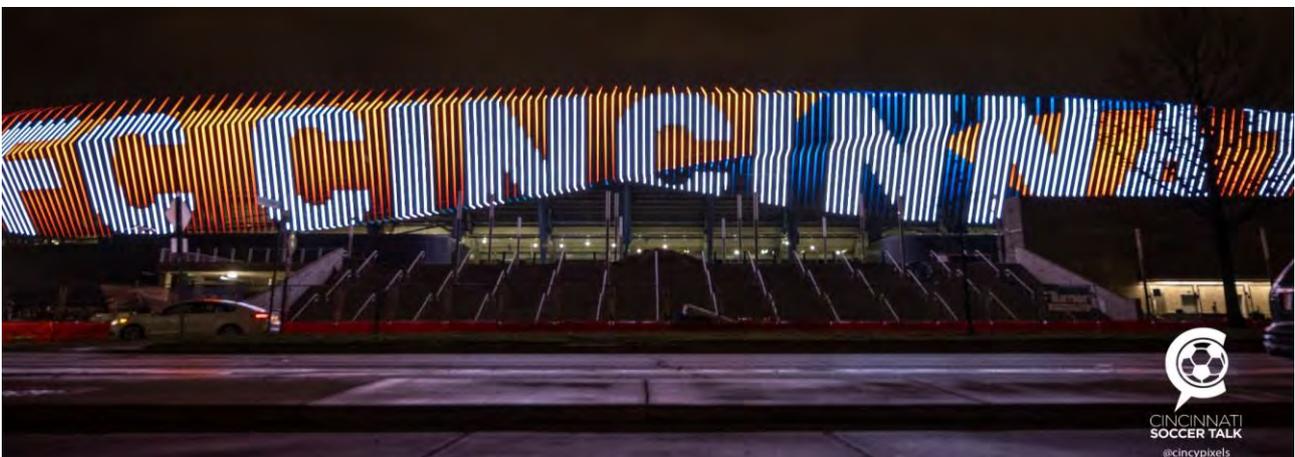
### Abstract

TQL Stadium is the first dedicated home for FC Cincinnati, a major league soccer team. Buro Happold provided structural engineering services for the stadium. The stadium design meets all Major League Soccer criteria as well as being able to host FIFA sponsored events. All 26,000 seats in the newly designed stadium have excellent sightlines. A complete, 360-degree canopy roof covers every single seat in the stadium. Particular special characteristics of the structural design included the many varieties of seating and hospitality arrangement, the fast schedule and the structural façade interaction. Additionally the paper describes aspects of the analysis for seismic loading.

**Keywords:** Stadium, cantilever roof, fast-track design, façade, steelwork



*Figure 1. Internal photograph of TQL Stadium with the single tier north stand to the left.*



*Figure 2. External photo of TQL Stadium showing the lighting array on the external fins.*