

ENGINEERING PROJECTS Skymate (Winner)



This aerial adventure park consists of 54 'sky pod' activity stations over four levels with only six actually touching the ground and the rest fully suspended and tied together with platform rings and structural cables. Its modular design also allows for flexible arrangement of the 100 activities. To achieve the long, slender spans of the pedestrian bridges between the activity pods, the simply supported steel beams were each stiffened with a tension rod to effectively form a truss. As no part of the steel structure is hidden from sight, the fine and delicate appearance of the structure greatly depended on deft detailing of the steel and bolted connections. As the site consists of deep loose dune sand, steel screw piles were used to provide an economical foundation structure which also sped up construction.

PROJECT TEAM

Architect: TouchCloud • **Structural Engineer:** Partridge Event • **Head Building Contractor:** Envirostruct Project Management

Distributor/Manufacturers: BlueScope, OneSteel, Orrcon Steel, Southern Steel • **Steel Fabricator:** Codmac Engineering

Steel Detailer: Codmac Engineering • **Coatings Supplier:** Galvatech • **Metal Building Contractor:** TouchCloud Global