

---

**CLIENT**

Bracknell Forest Council

---

**LOCATION**

Bracknell, Berkshire

---

**VALUE**

£13M

---

**DATE**June 2016  
August 2017**CASE STUDY**

# Coral Reef Waterworld, Bracknell.

## About the project.

We are delighted to have completed the major refurbishment and enhancement to the existing leisure pool at Coral Reef Waterworld.

The works involved the removal and replacement of the existing roof structure and the demolition and construction of a new flume tower, including major alterations to the mechanical and electrical services.

This was a complex and challenging contract as the new roof structure and works all had to be completed while the pool remained full of water to maintain pumps and filters. Daily access by the Clients team was essential.

Our strategy started with the construction of a crash deck, just below the existing roof, which was sealed and included rainwater drainage. This not only provided a safe working platform for the demolition of the roof and subsequent new works, but also isolated the pool hall below from risk of debris and contamination. The support scaffold and deck were engineered to carry specific MEWPs which were lifted and allocated for use by each subsequent trade as the works progressed.

The new roof was a system of clear spanning lattice trusses which relied on full bracing to achieve stability. The original designers' instructions required roof sections in excess of 10 tonnes to be lifted in one piece, which would have required specialist cranes to achieve the reach. Brymor developed an

alternative way to approach the stability issue and as a result more than halved the lift weight. This meant that a standard 120T mobile crane was able to carry out the erection and, as well as the cost saving, provided the flexibility of a choice of plant suppliers.

Externally, the entrance canopies were replaced and internally, major refurbishments of the changing rooms, reception, spa and café have been completed enhancing the customer experience. The five new flumes include two which are accessible to people with disabilities, and two iconic thrill rides; The Crazy Cone and The Super Crater.

*"Brymor worked on the project with my professional team and throughout the contract they became an invaluable member. During the preconstruction stage Brymor's Preconstruction Manager and team worked with us to ensure that we had the right starting point for the project with specification and costs. The project delivery team added value to the project by looking at the buildability and construction methods to ensure that the best option was achieved with a view to safety, costs and programme. The "one team" approach ensured that the project was a success for all involved in sometimes challenging circumstances. This is a model for how we would like our future projects to be undertaken."*

Kamay Toor, Head of Strategic Asset Management,  
Bracknell Forest Council