

- 50-year design life
- Bespoke architectural finishes
- ‘No dig’ foundations
- Phased released of spaces
- Permanent with capacity to expand



Case Study

Modular Car Park – Quick, affordable, permanent solution

PROJECT	3 permanent parking decks
CUSTOMER	Arlington Business Park
LOCATION	Uxbridge Business Park
CONTRACT	JCT
COMPLETION	2020



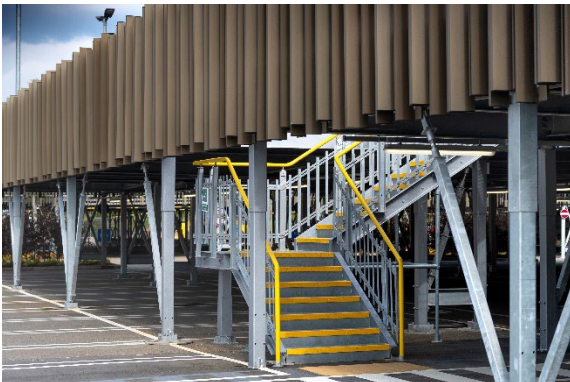


Need

Most businesses offer parking, and as we move out of the pandemic people will return to offices with early indications that car use may increase, albeit temporarily.

At Uxbridge Business Park, close to the M25, the site offers companies more than just office space, it extends to 72 acres of parkland incorporating a wide range of business and leisure facilities. Excellent transport links and parking facilities are an essential element for attracting businesses and recent growth had led to the need for more parking spaces.

The owner wanted an architecturally influenced permanent parking solution that was cost efficient, quick to erect and flexible enough to accommodate future expansion and electric vehicles.



Solution

Approached by the owner, the patented system was able to deliver against their budget creating 3 separate single decks founded on the existing car park surface. Bespoke cladding was designed in consultation with d-na architecture to echo the aesthetics of the surrounding buildings for a unique feature.

‘No-dig’ foundations and a carefully planned erection sequence offered key time and cost savings for the customer. In this instance, the ground investigation confirmed that only a small number of pad foundations were needed with most of the supports founded directly on the existing car park surface.

Each component was manufactured off-site in a factory-controlled environment and erection was sequenced to allow a phased handover of each undercroft before the upper deck was complete. The beauty of this was that the first 75 spaces below the deck were released quickly to maintain maximum capacity throughout erection.

Outcome

Careful planning and the phased handover ensured the existing parking capacity was maintained throughout erection in this busy business park. The time from design outset until final handover of the 3rd car park was just 30 weeks. We created over 223 extra parking spaces on the existing footprint.

The client selected the Siderpark/ Osborne joint venture system based on the lower cost than rival systems and the ability to tailor the product to meet their specific needs:

- Bespoke architectural cladding reflects the surrounding building finishes.
- There were no impacts from Brexit or Covid on the programme or the cost.
- A 50 year design life.
- No need for costly piled foundations as founded on the existing car park surface.
- Capability for future EV charger installation

On top of that, although the structures are permanent, there always remains the flexibility to relocate them or to expand up or sideways.

Following this experience, the client has committed to a 4th car park to further increase capacity.