

**'No dig' Foundations** – Single deck erected on existing surface

**Generate Revenue Quickly** – Maximise Income

**Permanent or Temporary** – Bespoke or standard features

**Moveable and Expandable** – For a sustainable solution

**Access for All** – Incorporate Lifts

**Flexible** – up to 3 decks high

Case Study

## Modular Car Park – De-mountable car park

**PROJECT** Temporary Single Deck 151 Spaces

**CUSTOMER** Great Western Railway

**LOCATION** Didcot Parkway

**CONTRACT** JCT Design and Construct

**DURATION** 6 week erection

**VALUE** £1.58m





## Need

Parking spaces are becoming an increasingly valuable commodity.

Installing a single or double deck car park on an existing level parking area can be a quick and cost-effective way to increase capacity and increase revenue.

However, overcoming planning conditions, 3rd party constraints and ground conditions can be costly and slow.

## Solution

A simple and cost-effective solution is the installation of a modular steel frame one or two deck car park as a temporary or a permanent car park structure.

There are many modular steel frame proprietary systems available, but the Siderpark system is unique in that it can totally eliminate the need for costly foundations. In most cases, the car park can be erected directly onto an existing surfaced car park.

Base plates distribute the load and adjustable height pillars sit on spherical joints which allow vertical re-alignment.

No dig foundations reduce the risk from underground obstructions and allow erection over sensitive sites such as archaeology.



Figure 1 - No-dig foundations

The car park is portable, in that it can be dismantled and relocated in a different location. As a result, it provides significant logistical and cost advantages over other market solutions. If operational needs should change, there is total flexibility to expand or relocate the structure.

At Didcot Parkway Rail Station, a single deck provides 151 temporary parking spaces whilst the permanent multi-storey car park (MSCP) is constructed nearby. This flexible solution will be dismantled and reused when the new MSCP is fully operational.

Revenue can be secured earlier than traditional construction as the structure is erected in standalone modules. As a result, handover is staged to allow immediate use and to maintain traffic circulation.

Modular construction also means that should any element be accidentally damaged during use, it can simply be removed and replaced with a new section.

Customised cladding choices support aesthetic and planning requirements.

Quality is assured and factory manufactured components are delivered to site ready for quick and easy erection.



## Outcome

The system is a quick, efficient, and cost-effective solution to transforming an existing space to revenue generating parking. The flexible design allows simple expansion or dismantling and relocation to meet a customer's evolving needs.