



Luton Station Multi-Storey Car Park

Project

Luton Station Multi-Storey Car Park

Client

Luton Borough Council,
First Capital Connect

Location

Luton, UK

Start Date

2008

End Date

2011

Duration

30 months

Contract Value

£19.3m

Services Provided

Station redevelopment and renewal, station planning, feasibility design

Background

Luton borough is implementing a long-term urban regeneration programme. Key to this is Luton Translink - a guided busway connecting Luton and Dunstable.

The Luton Borough Council gateway project required that an area of land occupied by Luton station car park be released to enable the development of a new guided bus way and town centre development.

To achieve this, Luton Borough council contracted Network Rail to develop, design and build a new multi storey car park (MSCP) on land to the rear of the station. However, the location of the new facility conflicted with a proposed new inner ring road.

Consequently, the car park needed to be designed on top of a 5.8m high bridge structure. To ensure the parking facility fitted in with the proposed Gateway Project, planning conditions required a high specification architectural design incorporating external coloured feature lighting to the MSCP.



Scope of Works

The works comprised:

- ▶ site clearance and removal of contaminated land
- ▶ collision protection structure along rail boundary
- ▶ reinforced concrete sub-structure creating passive provision for future highway scheme
- ▶ composite steel and concrete superstructure
- ▶ high-spec cladding and lighting design
- ▶ coloured deck surfacing for clear direction and parking markings
- ▶ 10% renewable energy
- ▶ link structure to new pedestrian footbridge
- ▶ CCTV, Pay on Foot and ANPR systems.

Key Project Outputs

The MSCP Project released the land occupied by the existing car park for the town centre development. It provided a state-of-the-art parking facility for rail users whilst maintaining the alignment for the proposed inner ring road.

The deliverables were:

- ▶ a 729 space MSCP including 19 DDA and seven Parent and Child spaces
- ▶ Park Mark accredited facility with accessible, bright and clearer platforms, reached by three stair wells and two new lifts
- ▶ three vertical axis wind turbines providing 10% of the power requirements for car park facilities
- ▶ 13.3m wide by 5.8m high envelope under the structure for the future highway scheme

- ▶ hi-tech cladding solution, including coloured LED luminaries to the façade, designed to comply with planning conditions allowing the building to be a key part of the Luton Gateway project
- ▶ better links to the station for pedestrians.