

SMITHFIELD CAR PARK

Folded fin façade pays homage to Stoke's military heritage

LOCATION

Stoke-on-Trent

PROJECT

Spitfire-inspired architectural façade for multi-storey car park

DATE

October 2022

CONTRACTORS

Willmott Dixon

ARCHITECTS

AHR

DESIGN

- Realised architect's and developers' vision for Spitfire-inspired design
- Maple's pre-construction team played a vital role in developing design to meet client budgets
- Design was achieved and aligned with budgets through value engineering practices, such as folding aluminium sheets to form Spitfire fins

MANUFACTURE

- Laser-cut aluminium plates folded to reduce wastage and achieve design intent
- Precise manufacturing and machinery used to get 99.9% correct angles for final product

INSTALLATION

- Nearly 200 asymmetrical fins clad the 730-space car park
- Rainscreen cladding panels installed on stair cores to protect the building's infrastructure
- Solid panels protect neighbouring substation from potential fire spread
- Anodic powder-coating methods applied to fins for extra protection against the elements

VERDICT

“This multi-storey car park marks another major step forward in the Smithfield scheme. It is another example of how Genr8 continue to drive exemplary design standards at Smithfield. It will form an important piece of the masterplan to service not only current and future phases at Smithfield but the wider Hanley community.”

Alan Hall, Projects Director Partner, Genr8 Developments

DID YOU KNOW?

Smithfield car park takes its inspiration from an icon of British aviation history. The 200 asymmetrical fins are based on the famous Spitfire aircraft, which was designed in the 1930s by local man Reginald Mitchell.

SMITHFIELD CAR PARK

MAPLE

