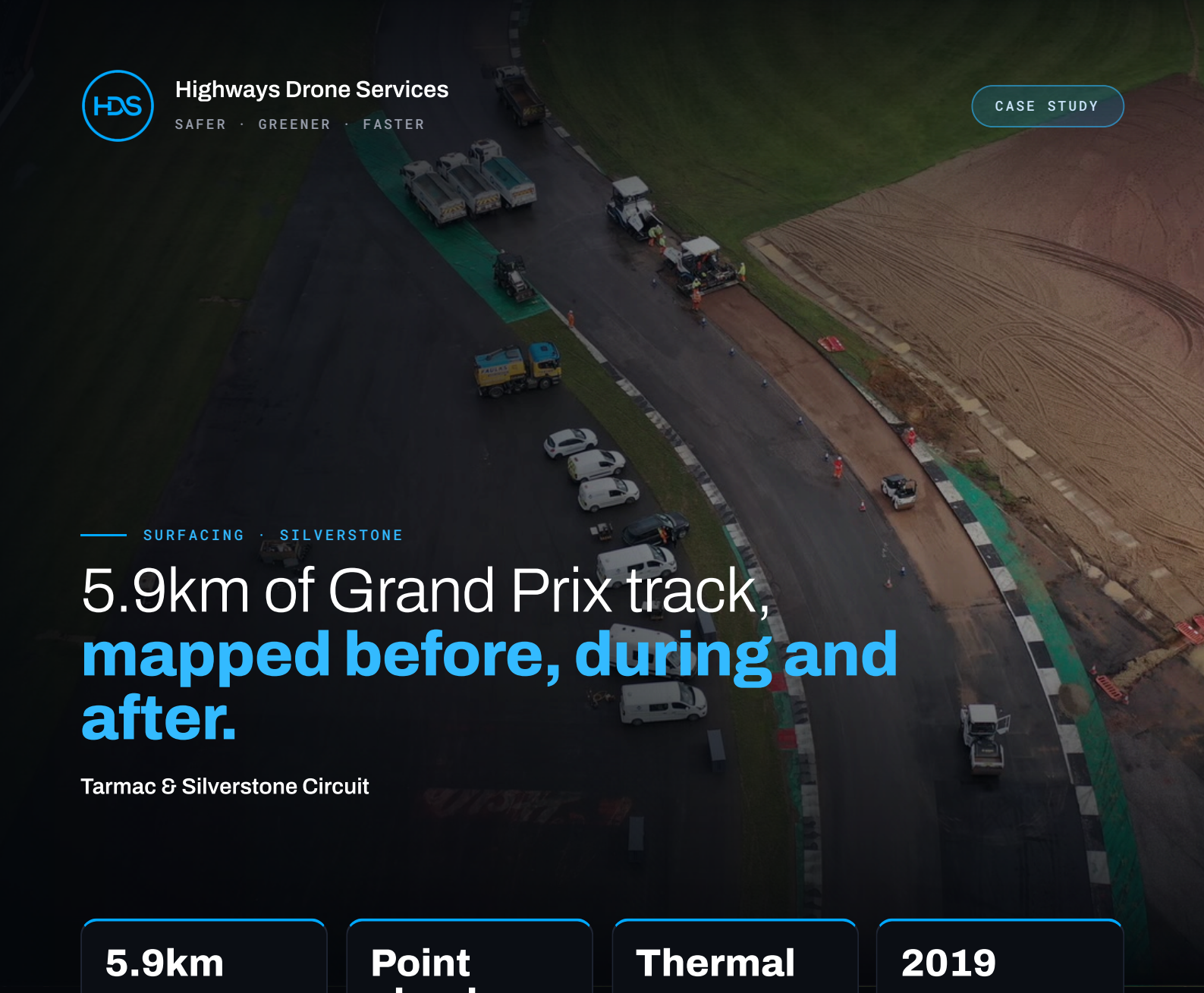
Highways Drone Services

SAFER · GREENER · FASTER

CASE STUDY



SURFACING · SILVERSTONE

5.9km of Grand Prix track, **mapped before, during and after.**

Tarmac & Silverstone Circuit

5.9km
circuit surveyed by drone

Point cloud
shared with remote teams

Thermal
roller-pattern capture

2019
ahead of MotoGP

THE PROJECT

Ahead of the 2019 MotoGP, Silverstone's 5.9km circuit was fully resurfaced. HDS surveyed the track by drone to find failures in the old surface, then supported Tarmac through laying and final QA.

THE CHALLENGE

- Potholes, rutting and historic cracking had to be located and logged quickly
- A tight programme left no room for repeat surveys
- Teams in several locations needed shared access to the data
- Roller patterns needed analysing to inform the surface design

OUR APPROACH

01 Full-circuit photogrammetry of the 5.9km track

02 Data delivered as a point cloud for remote access by Tarmac teams

03 Thermal capture of roller patterns during laying

04 Each stage documented for final QA and marketing



Thermal capture of the roller pattern



Point cloud of the circuit for remote teams

OUTCOMES

Accurate surface analysis

Faults repaired proactively ahead of resurfacing.

Remote collaboration

Tarmac teams reviewed data from several offices without returning to site.

Thermal insight

Roller-pattern mapping supported compaction and design.

Marketing-grade footage

Final visuals documented the transformation of a racing icon.

THE RESULT

HDS supported the full lifecycle of the resurfacing, from finding faults to capturing the finished track.

Start a project

Tell us about your asset. A desktop review, airspace check and fixed cost, agreed before we mobilise.

01442 601231
hello@highwaysdroneservices.co.uk
highwaysdroneservices.co.uk