

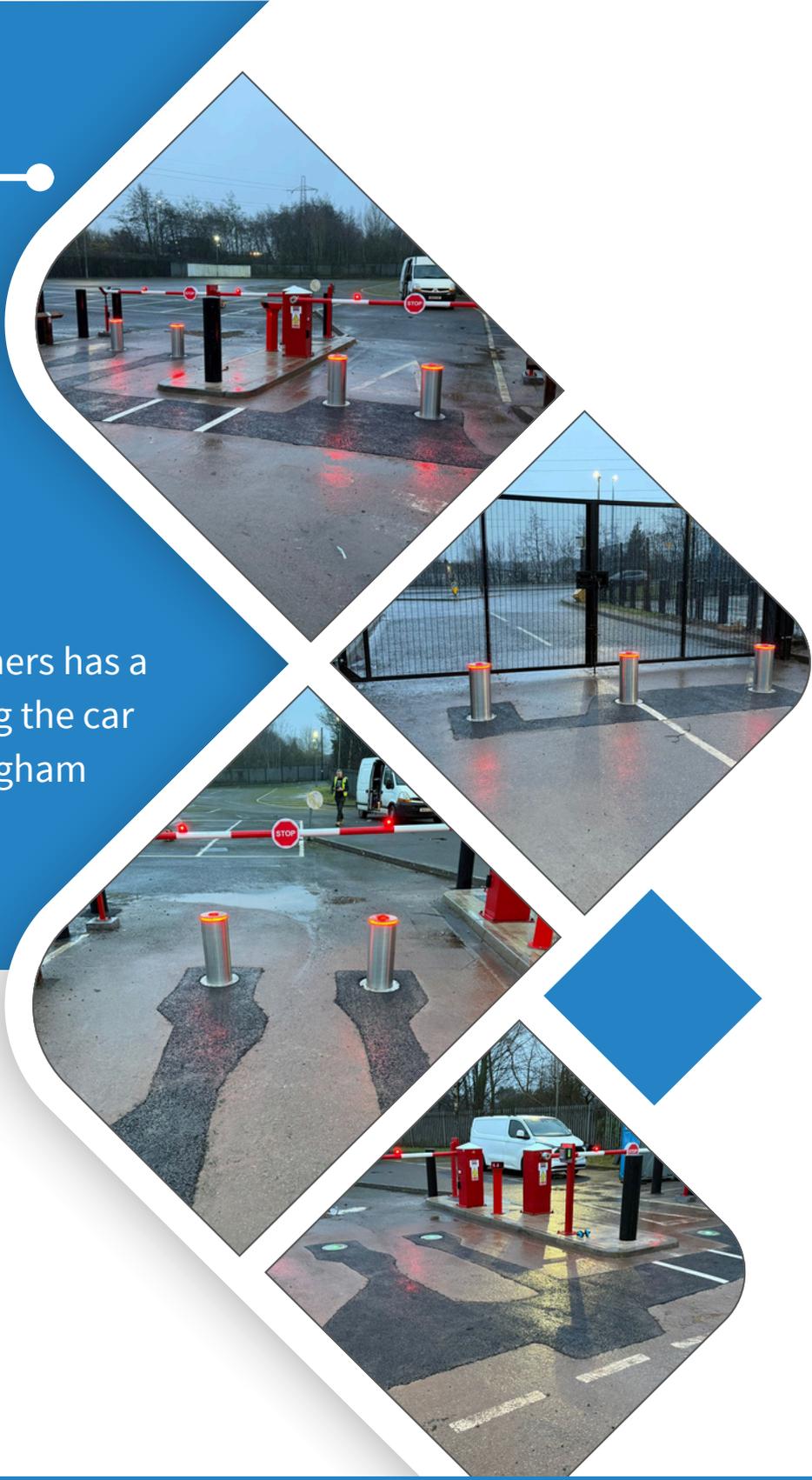
February 2026

# Case Study

## Focus

### Staffordshire Mechanical Solutions

Scope: One of our Trade Customers has a contract that includes upgrading the car park security for a site in Birmingham



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## Background and Context

### Project Scope:

The site already had manual commercial gates and automatic entry / exit barriers to two areas of a car park for an industrial site. The site has been sold and the new owners were looking to make the site more secure.

### What Industry is it?

Our client was doing a refit of the warehouse space both internally and externally, while also tasked with 'beefing up' the security for the car park zones for both visitors and staff when the new owners move in.

### Initial Challenges?

The main car park area already had in / out automatic barriers, so the client wanted to keep them but also have something that can either operate simultaneously with the barriers, or offer a single level of daytime security if they want to leave the barriers up during normal operating hours.

## Objectives

### Project Benchmarks:

The customer wanted something aesthetically pleasing but also robust and built to last. Ideally with visibility aids for darker hours operation.

### Time Frame:

As part of a much larger project, the time frame wasn't really a factor.

### Limitations:

The products had to work with the existing barrier systems and also the existing access control.

### Key Challenges:

Adding an additional safety system to the site was a necessity due to the additional automatic products and the fact that the end user wasn't yet sure how they wanted everything to operate.



## Approach and Strategy

### How did we approach this?

We suggested Benito automatic bollards for all three of the sections, it is a brand we work with, we know the quality of the product and that they can easily be integrated into an existing security system from an operation stand point.

### Any bespoke requirements?

We offered the Benito H6008, as these come with red / green indicator lights as standard which was paramount to meet the end user requirement of enhanced visibility during darker operating times. Also, with them being stainless steel, they offer a smart, aesthetically pleasing finished look.

### Who was responsible?

Our customer, Staffordshire Mechanical did all the ground works, ducting and drainage for the bollards. Once completed, we went in and set up all three systems and integrated to the existing barrier systems on two of the locations. We also fitted loop detectors for safety around all three sets of bollards.

### Key Resources:

Working closely with a couple of suppliers and also our trade customer to get dates and specific site requirements was key, this enabled us to work to set dates and ensure all work was carried out in a timely manner.

## Solution

### What did we supply?

7 x Benito H6008 Stainless Steel Hydraulic bollards, to work across 3 different areas of a car park. Plus 3 x Procon 24v loop detectors, one for each section. These are our 'go-to' safety option when fitting automatic bollards. The Benito H6008 is certified to PAS68, meaning a very high level of anti-ram security was given to site.

### Expectations:

The end user required a robust product that could be integrated into their existing systems and also offer great visibility and enhanced security.

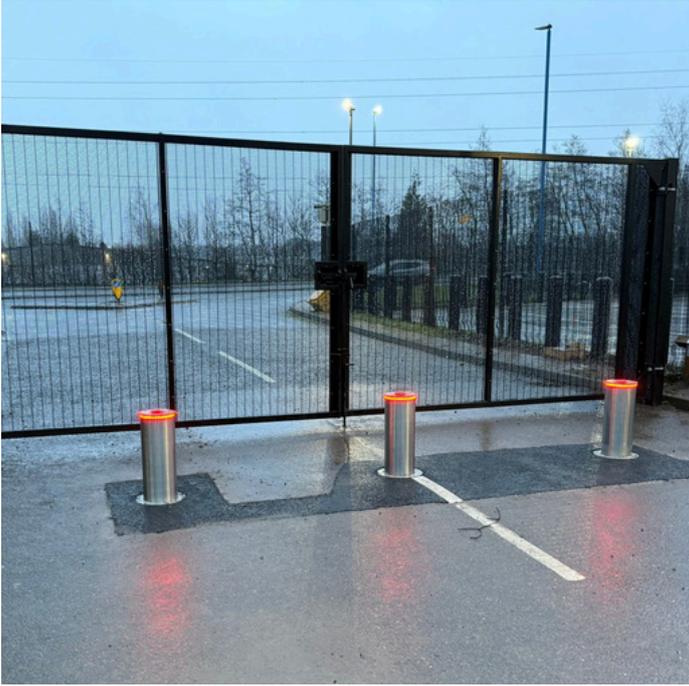
### Lessons Learnt?

No lessons to be learnt on this one from our end. But advice we can offer, when looking at automatic bollards, a key factor is to make sure drainage is installed, as the last thing you want is the bollards living underwater!

### Client satisfaction:

"From start to finish, communication was brilliant from the First Fence Automation Team. Our enquiry was handled by Ethan who took site requirements and details and then came back a few hours later with a quote. When the order was placed, Jonny rang us to go over the final specification so we knew exactly where to put the ducting and control panel locations. Finally, Jason managed the install and gave our guys some great tips for the ground work and drainage requirements." Darren - Electrical Director - Staffordshire Mechanical Solutions





### Benito H6008



H6008  
Bollard

## Automatic Telescopic Ø220 x 600 mm



Certified according to PAS 68

Regulations and certifications:



Bollard designed for controlling the access to the public road, communities of neighbours, companies, etc.

Bollard thickness 4 mm (reference H6004)

Bollard thickness 8 mm (reference H6008 certificate according to PAS 68:2013)

Bollard thickness 13 mm (reference H6013)

Bollard made with an AISI-304 satin stainless steel piston, Ø220 x 600 mm height. Top lid, chassis, fixing and screws made of stainless steel. Signage with red/green LED ring, traffic light function. Includes metal mass detector for greater safety. Can be operated by remote control or other devices. Maximum visibility thanks to its LED ring and traffic light function. Positive safety feature, as the shaft tends to lower when the tension is cut.

		H6008	H6013
DIMENSIONS AND MATERIALS	HEIGHT FROM GROUND LEVEL	600mm5	600mm5
	BOLLARD DIAMETER	Ø220mm	Ø220mm
	BOX DIMENSIONS	340 x 340 x 830	340 x 340 x 1060
	BOLLARD MATERIAL	Acero inoxidable AISI 304 satinado	Acero inoxidable AISI 304 satinado
FEATURES		230V 50HZ	230V 50HZ
	MOTOR POWER	300W (3.000rpm)	300W (3.000rpm)
FUNCTIONAL FEATURES	SYSTEM		
	TEMPERATURE RANGE	-20°C +80°C	-20°C +80°C
	IP PROTECTION RATING	IP67	IP67
	ASCENT TIME	3-4 segundos	3-4 segundos
IMPACT RESISTANCE	LOWERING TIME	3-4 segundos	3-4 segundos
	CONTROL PANEL	BC20	BC20
	100.000 JOULES	750.000 JOULES	
	REFLECTIVE BAND	OPCIONAL	OPCIONAL
	SAFETY OF PEOPLE AND PROPERTY	OPCIONAL	OPCIONAL

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