

**WORLD CLASS
PROTECTION**



VAULT
SHOWCASES
HIGH SECURITY SOLUTIONS

THE ULTIMATE PROTECTION FOR CULTURAL TREASURES

THE VAULT SHOWCASE SYSTEM HAS ONE OF THE HIGHEST SECURITY RATINGS IN THE WORLD AND IT IS DESIGNED, ENGINEERED AND MANUFACTURED TO THE ABSOLUTE HIGHEST STANDARDS APPLICABLE TO GLASS SHOWCASES.

High-value exhibits often create a big attraction for visitors, but occasionally this can warrant some unwelcome attention too. If you need to manage this risk, VAULT is one of the best options available.

We offer two levels of security rating for our VAULT showcases: the Government Indemnity Scheme (GIS) standard and the higher LP1175 security rating based on resistance to attack.

SO HOW SECURE IS THE VAULT SHOWCASE?

1 - GIS requirements call for a fully framed structure with embedded high security locks and hinges, plus a minimum glass standard which complies with BS EN:356P4A.

2 - LP1175 is achieved with a fully framed structure and 3-ply polycarbonate interlayer laminated glass – approved to glass standard LPS 1270 Level 2 – and installed

together with external framing. Cases are then physically tested to ensure resistance to attack over a set duration of time.

Having passed the physical testing by the Buildings Research Establishment (BRE), the VAULT showcase system is currently undergoing a certification process for the LP1175 rating.

VAULT will be the first high security showcase in the United Kingdom to receive such a security rating and as a result, nothing can beat the added reassurance you feel when your valuable exhibits are completely protected.

Beautifully made and elegant in style; VAULT discretely conceals the innovative engineering solutions that work together to deliver the high security solution you need.

> *The Durham Light
Infantry Gallery,
Palace Green Library,
Durham, UK.*



“ a magnificent moment, steady as rock in battle and absolutely reliable on all occasions. ”

Marshal Bernard Montgomery, 1953



The 10th and 11th Armies...
The 10th Army...
The 11th Army...
The 10th Army...
The 11th Army...

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WHAT ARE THE OPTIONS

VAULT IS AVAILABLE IN A VARIETY OF STANDARD SIZES, ALTHOUGH WE CAN OF COURSE MAKE THEM TO SUIT YOUR PARTICULAR REQUIREMENTS.

We are unable to disclose significant design features of the VAULT showcase system for security reasons, but the following information provides a technical overview of the system.

SHOWCASE STRUCTURE: VAULT cases have an internal steel framework to provide overall structural integrity, in addition to this an external steel frame is required to achieve the security rating LPS1175.

Cases can be configured with a combination of transparent glass or 2mm thick steel panels to suit your gallery layout.

All metalwork is finished to your chosen RAL or BS colour, with a highly durable powder coat process with a 30% gloss level.

Cases should ideally be secured to the floor using our approved high security fittings.

GLASS: two glass options are available depending upon the security level you require.

Laminated glass to BS EN: 356P4A is used to meet UK Government Indemnity Scheme standards.

Laminated glass to LPS 1270 is used to achieve security rating LPS1175.

Both glass options provide UV filtration between the wavelengths of 320 and 380 nanometres to minimise UV degradation to light sensitive objects.

Both glass options are produced using a low iron glass substrate to eradicate the green tint that is seen with standard glass.

INTERNAL DRESS PANELS: a wide range of materials and finishes are available including powder coated

folded steel and the solid surface material Corian®. To make object mounting easier, honeycomb aluminium panels or an inert display sheet such as FOREX® can be used, generally with a fabric wrapped finish.

Our vertical dress panels are primarily designed to provide an aesthetic lining for showcases and any requirement to mount objects to them should be clearly identified to us so we can ensure safe fixing methods to the case structure.

All these materials have been Oddy tested to ensure they are completely inert within the case environment – no MDF or wood is used within the case.

DOOR ACCESS: two door options are available - a pull and slide door with a 90% opening width in one direction, or a pull and slide door with 60% opening width in both directions. The 60% door can also be removed if necessary for full access.

LOCKS: VAULT showcases are equipped with a multi-point locking system with Abloy® high security barrel locks to conceal the mechanical multipoint locking system. There are two locks for each access door.

Service areas for lighting and silica gel are secured with a high security Abloy lock and linked to a separate key suite.

CASE LIDS: these are manufactured from folded mild steel sheet and are powder coated to the same colour as the showcase frame – gas springs are fitted for convenience when hinged open.

LIGHTING: Fibre Optic lighting or LED lighting are available, both are dimmable and have a minimal heating effect on the case. The light is

delivered through highly adjustable and discrete end fittings which can be positioned, and focussed to maintain your lighting setup over time.

POWER TRANSFER: freestanding cases generally require power at the top of the case for lighting, power can also be transferred from a low level supply if required. Desktop cases require power at the bottom of the case.

ALARMS: can be added to each VAULT showcase where necessary. To ensure optimum security cover, we recommend that these should be integrated into the client's existing alarm systems.

SOFFIT: a powder coated honeycomb aluminium panel is machined to conceal light heads in line with quantity and design requirements.

SHELVES: 10mm thick toughened float glass conforming to EN BS 12600: Class 1 (BS 6206). Alternative glass types and thicknesses are available to meet any specification.

Shelves are supported on corner pegs which can be positioned at 50mm height increments. Other shelving materials and designs are available on request.

CASE SEALS: a silicone gasket is fitted to all doors and glass joints to minimise air change rates. Internal top and bottom panels/frameworks are sealed in position to create an inert display chamber.

Our VAULT system is inherently well sealed which means it can easily achieve the industry standard of 0.1 air changes per day.

SECURITY STANDARD	FREESTANDING		DESK TOP	
	LP1175	G.I.S	LP1175	G.I.S
SHOWCASE STRUCTURE				
External steel framing	•	•	•	•
Internal steel framing	-	•	-	•
Powder coated to BS or RAL colour (30% gloss)	•	•	•	•
GLASS				
18mm Level 2 security glass with 3-ply polycarbonate interlayer laminated glass	•	•	•	•
13.5mm low iron anti-bandit laminated glass	-	•	-	•
UV filtration between the wavelengths of 320 and 380 nanometres	•	•	•	•
STRUCTURAL PANELS - OPTIONAL				
2mm steel structural panels powder coated to BS or RAL colour (30% gloss) to replace glass panels	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
INTERNAL DRESS PANELS				
Powder coated steel	•	•	•	•
Corian	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
Fabric wrapped aluminium honeycomb	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
Fabric wrapped Forex® – inert display sheet material	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
DOOR ACCESS				
Pull and slide 60% access	•	•	-	-
Pull and slide 90% access	OPTIONAL	OPTIONAL	-	-
Vertical Lift	-	-	•	•
LOCKS				
Multi-point locking system, plus 2no. Abloy® high security barrel locks and tool. Separate Abloy® high security locking to lightbox	•	•	•	•
BASE PLINTH				
Steel kick plinth with integral levelling adjusters	•	•	OPTIONAL	OPTIONAL
Steel storage plinth or table with integral levelling adjusters.	OPTIONAL	OPTIONAL	•	•
Humidity control reservoir (Storage or kick plinth required)	•	•	•	•
LIGHTING				
LED Lighting – dimmable spot light	•	•	OPTIONAL	OPTIONAL
Fibre Optic Lighting - dimmable LED light source	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
LED stalks	-	-	OPTIONAL	OPTIONAL
Fibre Optic stalks	-	-	OPTIONAL	OPTIONAL
LED gantry	-	-	OPTIONAL	OPTIONAL
Fibre Optic gantry	-	-	OPTIONAL	OPTIONAL
All options	-	-	OPTIONAL	OPTIONAL
POWER SOURCE				
Via top lightbox	•	•	-	-
Via bottom plinth	OPTIONAL	OPTIONAL	•	•
SOFFIT				
Internal Top Panel – a powder coated honey aluminium panel machined to conceal light heads	•	•	-	-
SHELVING OPTIONS				
10mm toughened float glass shelf kit	•	•	-	-
11.5mm laminated glass shelf kit	OPTIONAL	OPTIONAL	-	-
CASE SEALS				
Silicone gasket seals - fitted to all doors and glass panels	•	•	•	•
ALARMS				
Vibration alarm can be fitted	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
Contact alarm can be fitted	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
For integration with client's existing alarm systems - by others	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL

COURAGE, COMRADES, COMMUNITY

THE DURHAM LIGHT INFANTRY COLLECTION GALLERY

THE DURHAM LIGHT INFANTRY (DLI) HAS A SPECIAL PLACE IN THE STORY OF COUNTY DURHAM AND WITHIN THE HISTORY OF THE BRITISH ARMY.

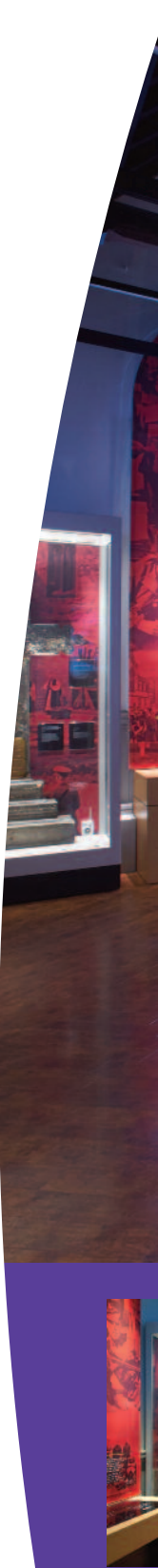
Originally formed in 1758 as John Lambton's 68th Regiment of Foot, the DLI has been present at some of the most important events in world history. From fighting the armies of Napoleon to helping defeat Hitler, the actions of the Regiment's soldiers have helped shape the world we know today.

The Durham Light Infantry collection is made up of high value objects including rare uniforms, equipment, weapons, silver, photographs and battlefield relics covering the whole history of the Regiment. Highlights include seven, original Victoria Crosses, together with 3,000 other medals awarded to over 1,000 men who served in the DLI Regiment. In 2017, it was redisplayed in a new gallery located within the Palace Green Library which forms part of Durham University.

Given the historical value and the types of objects involved, our client wanted a solution that combined high security with excellent environmental performance and VAULT was the ideal solution.

Our commission was to design, manufacture and install seven VAULT cases; six of these cases were tall single or multi-bay pull and slide door units with internal glass shelving. The remaining case was a table top unit with vertical lift (v-lift) access. All of the cases were to offer a high level of environmental control with an A.E.R of 0.01. Each of these cases was supplied with internal passive humidity control access drawers located within their base plinth structure and fibre optic lighting.

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CLICK NETHERFIELD IS EXTREMELY PROUD TO HAVE SUPPLIED OUR VAULT SHOWCASES TO HELP PROTECT SUCH AN IMPORTANT COLLECTION OF MILITARY ARTIFACTS.



BY APPOINTMENT TO
HER MAJESTY THE QUEEN
DISPLAY CASE SUPPLIERS
CLICK NETHERFIELD LTD
LIVINGSTON



VAULT

SHOWCASES

HIGH SECURITY SOLUTIONS

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