



DATALEC
PRECISION INSTALLATIONS

AISLE CONTAINMENT AND CAGING SOLUTIONS

N06

www.datalecltd.co.uk

N07

SECURITY CAGES

IT equipment and data security is an ongoing concern for Data Centre managers as IT systems continue to play an ever more critical role in daily operations. A standard server cabinet locking mechanism is often not enough to satisfy a Data Centres' security requirements. For this reason, DPI has designed security cages that ensure optimum safety at all times.

SECURE CONTAINMENT,
STORAGE & STAGING



SECURITY CAGES

Specifications

CAGE WALL:

Steel : 1.5mm (standard). Options of 2.0mm, 2.5mm and 3.0mm are available.

Punched Holes: 12.7, 19, 25, 33, 38 ,45 mm square, 3mm rounded corners other hole patterns and sizes are available on request

Height: Available to a height of 8.0m

Cage Frame: 50mm x 50mm x 1.5mm Box Section

Fixings: M6 Machine Screws, M6 Nylock Nuts, 5.5 x 25mm Tek screws. Security fixings available on request



SECURITY CAGES

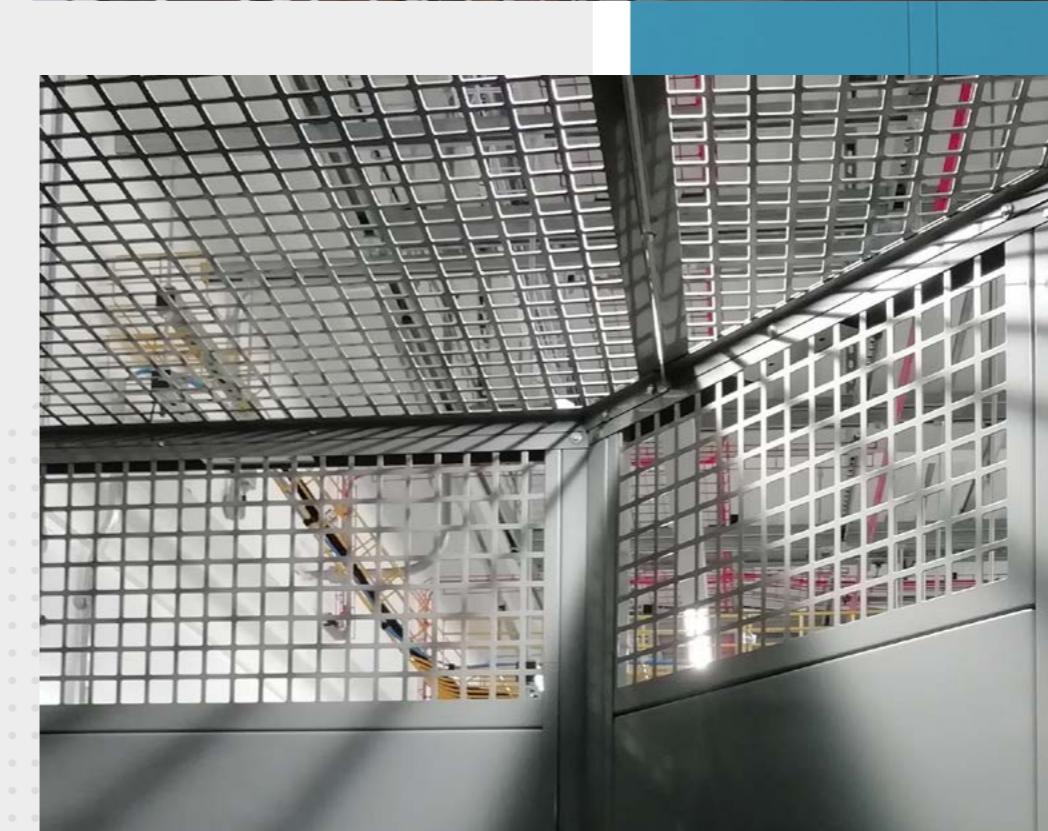
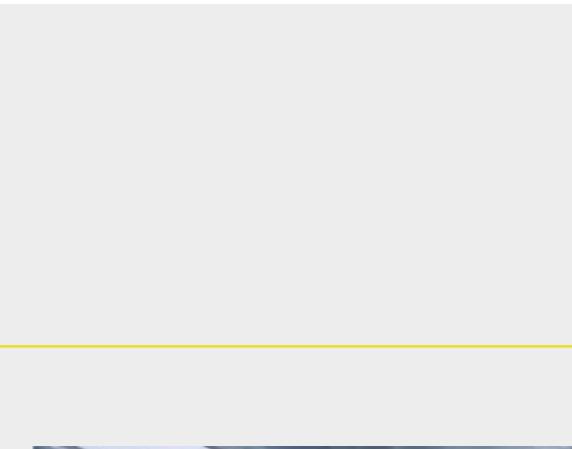
Specifications

UNDERFLOOR BARRIER:

Steel :	1.5mm (standard) .Options of 2.0mm, 2.5mm and 3mm are available
Punched Holes:	12.7, 19, 25, 33, 38, 45 mm square, 3mm rounded corners; other hole patterns and sizes are available on request
Roof Support:	50mm x 50mm x 2.0mm Box Sections or Channels. In some instances vertical supports will be needed
Fixings:	M6 Machine Screws, M6 Nuts , 5.5 x 25mm Tek screws. Security fixings available on request

CAGE ROOF:

Steel :	1.5mm (standard). Options of 2.0mm, 2.5mm and 3.0mm are available
Punched Holes:	12.7, 19, 25, 33, 38, 45 mm square, 3mm rounded corners other hole patterns and sizes are available on request
Roof Support:	50mm x 50mm x 2.0mm Box Sections or Channels. In some instances, vertical supports will be needed
Fixings:	M6 Machine Screws, M6 Nylock Nuts, 5.5 x 25mm Tek screws. Security fixings available on request



SECURITY CAGES

Specifications

DOORS:

Steel : Sliding or Hinged

Size: 900mm, 1200mm, 1800mm, 2400mm

Locks: Key, electromagnetic, mechanical code locks, emergency exit hardware, electromechanical (Abloy EL 560/561)

Fixings: M6 Machine Screws, M6 Nuts & 5.5 x 25mm Tek screws. Security fixings externally

Lead Time: Delivery is 2-3 weeks from receipt of order with installation the following week



MISSION CRITICAL DATA
CENTRE INSTALLATIONS

AISLE CONTAINMENT

Hot Aisle and Cold Aisle Containment systems offer considerable savings in energy costs by separating airflows; this optimises efficiency whilst also reducing the risk of re-circulation and bypass airflow.

IMPROVE POWER USAGE
EFFECTIVENESS (PUE)



AISLE CONTAINMENT

Specifications

ROOF:

Drop Down Panels:

Can be used in Data Hall with sprinklers or gas fire suppression systems and eliminates the need to modify or extend fire suppression sprinklers.

Heat Reactive FM Global Approved Plastic

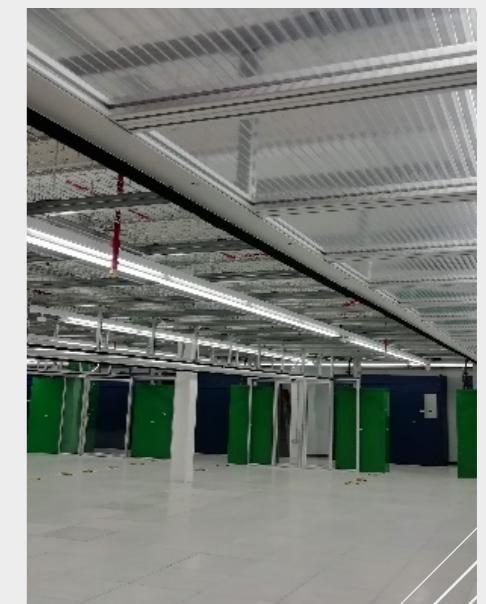
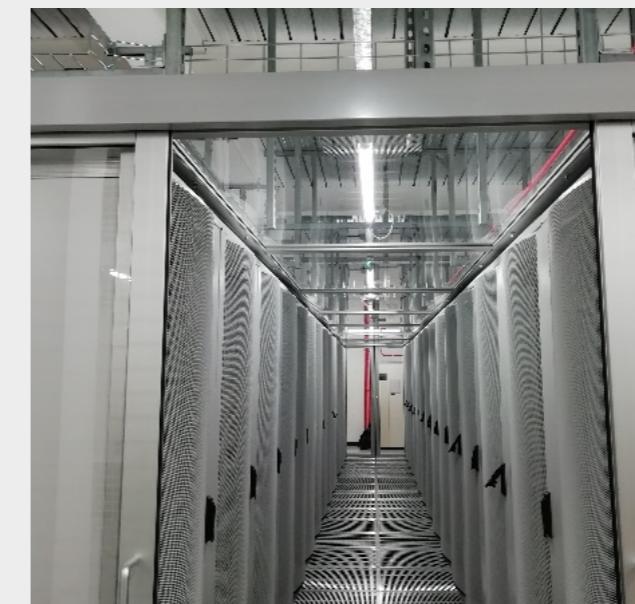
- Support and cross brackets are adjustable to allow installation of different size panels (adjustable to the different aisles length and width)
- Available for installation on any cabinet type and size

Fixed Panels :

Flexible, modular design, adjustable to different aisle lengths and widths. Can be retrofitted on any cabinet type and height

Sliding Roof Panels:

- Easy access to overhead services and light fittings
- Available for installation on any cabinet type and size



AISLE CONTAINMENT

Specifications

DOORS:

Bi- sliding:

- 1200 or 1800mm with or without lock self-closing with speed control and soft close
- Aluminium frame (anodised or powder coated finish)
- 4mm Polycarbonate or Toughened Glass vision panels

Single:

- 900 or 1200mm
- Self-closing with speed control and soft close
- Aluminium frame (anodised or powder coated finish)
- 4mm Polycarbonate or Toughened Glass vision panel

Cage CAC door (secure containment):

- Sliding or hinged doors can be supplied with a variety of locks such as electro-magnetic (can be integrated into existing access control system or stand-alone), key operated locks etc.
- Vision panels provide sufficient lighting inside the aisle without security being compromised.

All doors are:

Suitable for installation on any cabinet type and size. Available in brushed aluminium or powder coated finish in variety of colours

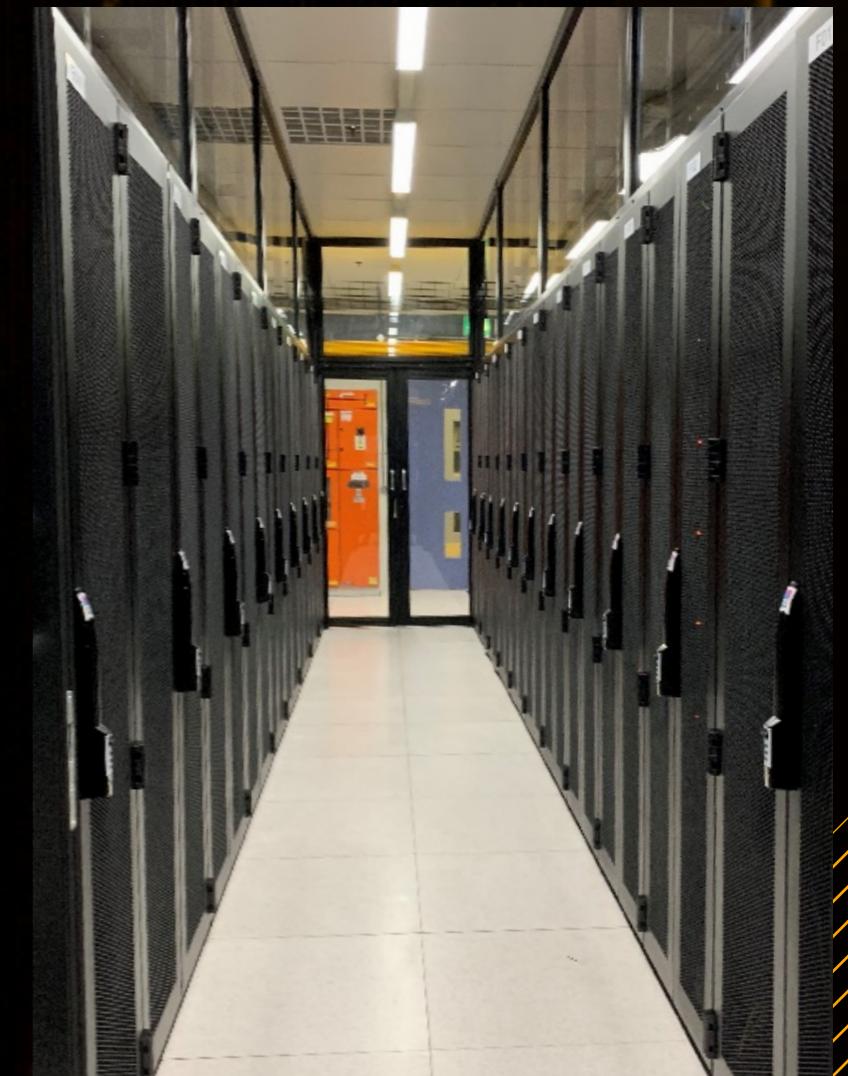
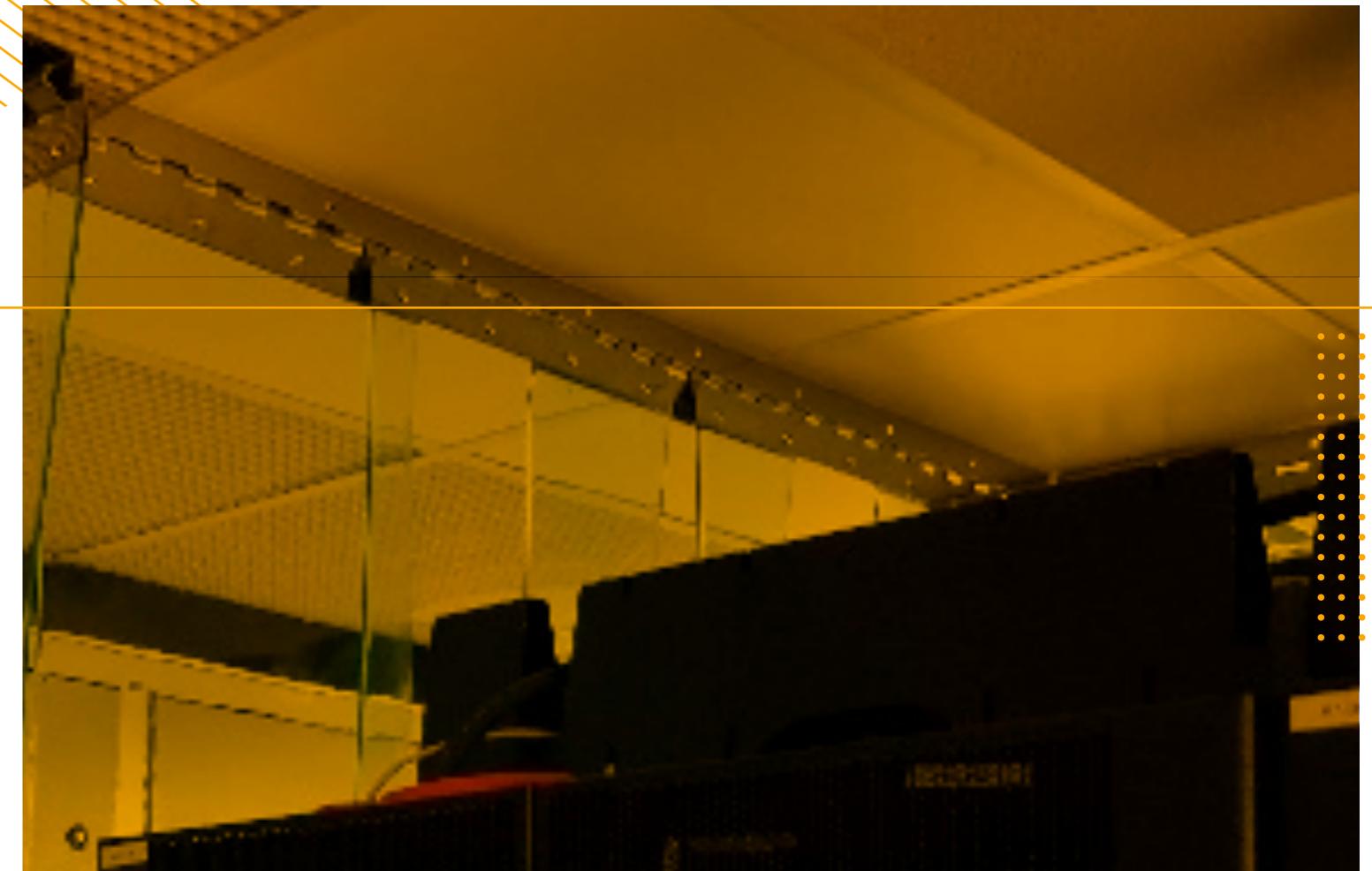


AISLE CONTAINMENT

Specifications

HOT AISLE CONTAINMENT:

Hot Aisle Containment channels the naturally rising hot exhaust air created by servers directly into a ceiling void or CRAC/CRAH system intake. This containment method prevents hot air from recirculating and mixing with the air supply, increasing the efficiency of hot air cooling by up to 30%.



DC FIT-OUT & OFFICE FIT-OUT CAPABILITIES

As part of our capability we offer the following services:



Design



Construction



Commissioning



Project Management

Our capability is spread across the following services/systems offering turnkey solutions:

Mechanical and electrical fit-out

Mechanical and electrical infrastructure

Life Safety systems (management of certified specialists)

BMS/PWS/EMS/IT Network & Structured Cabling

Infrastructures, Migration & Relocations

BWIC including raised flooring, suspended ceilings, whitewall installations, furniture, and final finishes

Hot & Cold Aisle Containment Systems





Tel: **0800 698 1318**

www.datalecltd.co.uk

info@datalecltd.co.uk

N06
Datalec Precision Installations
Suite D First floor
19/25 Salisbury Square
Old Hatfield
Herts
AL9 5BT

N07