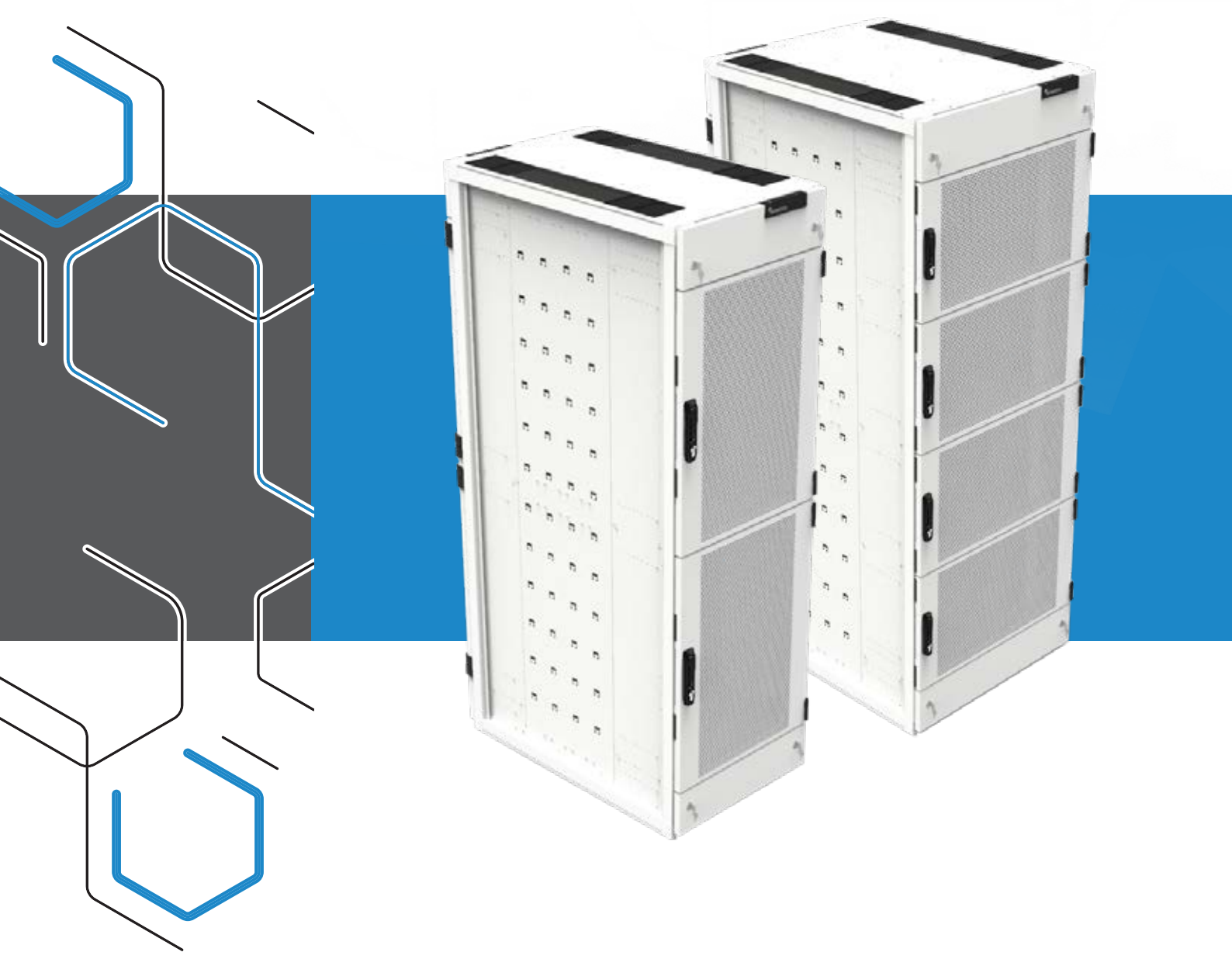
NEXPAND

COMPARTMENTALISED COLOCATION CABINETS



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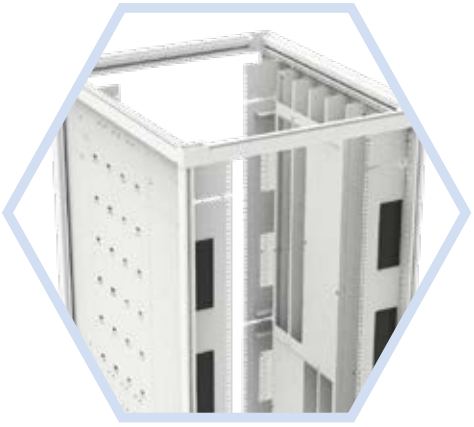
COMPARTMENTALISED COLOCATION CABINETS

The **Nexpand compartmentalised colocation cabinets** are perfectly suited for combining multiple end customers in one cabinet while keeping them safely separated. We offer a choice between a two and four times compartmentalised cabinet. The compartments are completely individualized with the use of fixed plateaus, all have separate and protected data and power cable ducts. There is space reserved at the top and bottom of the cabinet for the data center owner (the facility compartments) which can also feature VMRs inside. The colocation cabinets can be configured in varying heights, widths and depths.

SPECIFICATIONS					
Dimensions:		**Standard**	**On request**		
Height	U	47 (2/4 CMPT)	42 (2 CMPT)	47 (2/4 CMPT)	52 (2/4 CMPT)
Height	mm	2200	1978	2200	2422
Width	mm	600 or 800	600 or 800	600 or 800	600 or 800
Depth	mm	1200	1000 or 1200	1000 or 1200	1000 or 1200
General:					
Colour		RAL 9003 (white) / RAL 9005 (black)			
Static load capacity	kg	1000 - evenly distributed as maximum load			
Earthing		Fully earthed with central earthing point			
IP grade		IP20			
Standards compliancy		IEC-60297-3-100 IEC-61587-1 Static Load ST1, NL4 Environmental: C1, A1			
Interior:					
19-inch profiles	pcs	Steel, powder coated Two times compartmentalised cabinet: 8 pieces Four times compartmentalised cabinet: 16 pieces			
Adjustability (depth)		Adjustability in steps of 20mm			
U marking		1st U at bottom of every compartment			
Position, front profiles		Pre-mounted 80/200 mm (1000/1200 mm deep) from the front of the door			
Position, rear profiles		Pre-mounted at 740 mm pitch			
Compartments					
	42 U	2 CMPT - 18 U + Fac.CMPT - 2,7 U			
	47 U	2 CMPT - 21 U + Fac.CMPT - 2,2 U			
	52 U	2 CMPT - 23 U + Fac.CMPT - 2,7 U			
	47 U	4 CMPT - 10 U + Fac. CMPT - 3 U			
	52 U	4 CMPT - 11 U + Fac. CMPT - 3,5 U			
		Facility compartment at top and bottom of cabinet			
Cable ducts	mm	80 x 40 (depth x width) in 600 width cabinets			
	mm	80 x 80 (depth x width) in 800 width cabinets			
		Start +20 mm off-center from front of cabinet			
Frame:					
Material		Aluminium extrusions			
Finishing		Powder coated			
Front/rear closure:					
Front door		80% perforated single door			
Rear door		80% perforated single door			
Security		2-Points Fix-Easy combination handle with key override			
Material		Steel			
Finishing		Powder coated			
Hinges		Reversable and fast replacement ▪ Max. rotation degree 260°			
Left/right closure:					
Material		Steel			
Finishing		Powder coated			
Roof:					
Fixed layout		Front/Rear with cover panels per 200/300 mm (1000/1200 mm deep)			
Modularity		Modular inserts per 100mm. Brush predefined option			
Inserts					
Cover panels		Possibility to 'break' 1x200 mm to 2x100 mm ▪ Material: ABS ▪ Flammability: UL 94 V-0			
Cable entry guides		Material: ABS ▪ Flammability: UL 94 V-0			
Brushes		Material: Polyamide 6 ▪ Flammability: UL 94 HB			

The **Nexpand compartmentalised colocation cabinets** are completely configurable, there is also a predefined portfolio covering our high-runner dimensions. These configurations feature a non-airtight interior and isolated cable ducts, side panels can be ordered separately.

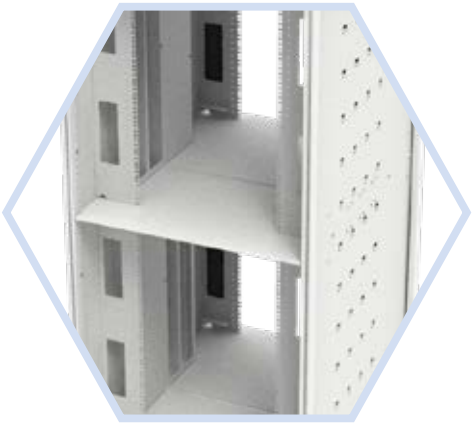


SIDE PANEL

A side panel is specially used for end-of-row applications, this makes even more sense for colocation solutions since sides are closed by default due to the colocation construction. Side panels provide you with a high quality aesthetic finishing. Full-height side panels are compatible, equipped with quarter turn square locks.

AIRFLOW MANAGEMENT

Airflow management is the efficient guidance of the various airflows in data centers to keep the cold and hot air separated optimally. To optimize that cooling process, air leakage and recirculation must be minimized by using an airtight colocation interior. These can be chosen when configuring your colocation solution, not included in the predefined configurations offered. Even when adjusting the 19" profiles the air tightness is guaranteed. The 800mm wide side-skirts feature cable throughput possibilities in the area next to the 19" profiles.



CABLE MANAGEMENT

Each compartment has its own vertical cable ducts to ensure separated cable routing. Both connectivity and power can be routed through a dedicated cable duct. A cabinet with 4 compartments shall have 1 cable duct on each side. A cabinet with 2 compartments shall have 2 cable ducts on each side for each user.

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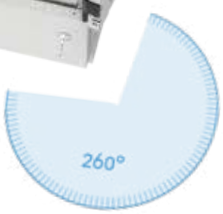
General features

800 mm Colocation cabinet with 4 compartents and 2 facility compartments

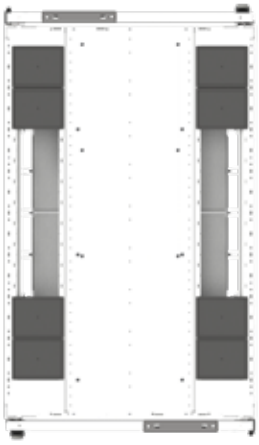
FRAME

- Light and solid aluminium frame with the capability to handle 1000 kg of static load.
- VMRs feature great flexibility in the depth direction in steps of 20mm.
- For 1000 mm deep cabinets the front VMRs can be placed in a range of 80 to 180 mm from the front door and ensure 740 mm distance with rear VMRs.
- For 1200 mm deep cabinets the front VMRs can be placed in a range 140 to 240 mm from the front door for cold aisle containment configurations and 100 to 240 mm for hot aisle containment configurations, and ensure 740 mm distance with rear VMRs.
- Threaded mounting rails in width, depth and height direction enable stepless adjustibility for most accessories.
- Nearly all accessories and components accessible from inside of the cabinet.
- Next-level energy efficiency is possible with the use of airtight colocation interior and VMRs.

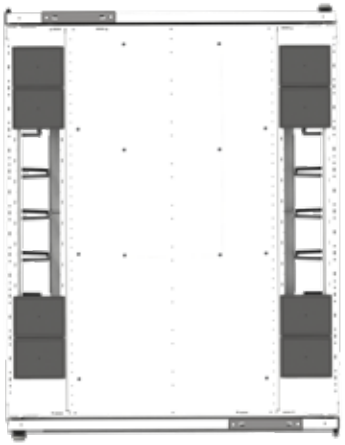
Black and white 600 mm colocation cabinets with 2 compartents and 2 facility compartments



Door can open 260° in case of stand-alone cabinets.



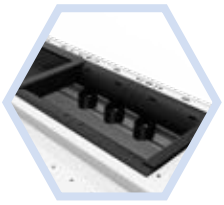
Roof of 600 mm wide colocation cabinet

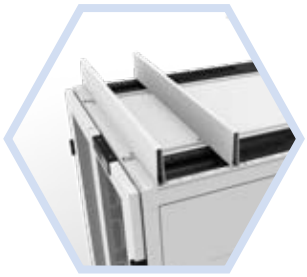


Roof of 800 mm wide colocation cabinet

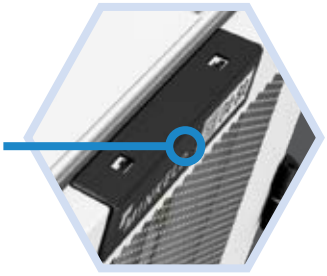
ROOF

- Solid platform for installation top of cabinet infrastructure.
- Roof inserts follow a multiple of 100 mm.
- Nearly full-depth cut-out.
- Optimal accessibility for cabling right on top of cable duct.
- Cover plates to provide best airtight solution by default where cable ducts are not located.
- Cable pull relief available.
- Cable dividers on top of cabinet follow the same modularity as the inserts.
  - Extendable per cabinet to create a duct system.
  - Cover plates and end covers available for dust/debris protection and airtight solutions.
  - Powder coated in same color as cabinet.
- Roof is compliant with hot/cold aisle containment.





DOOR



- Predefined position for identification (Note: label plate is not on the door, but on top panel).
  Place serial numbers, barcodes or QR codes to code and personalize your cabinets.
- Clean and minimalistic design.
- Easy door instalation.
- High level perforation.
- Sizes for 2 and 4 compartments.
- Full integration of the locking mechanism and cabling.
- High level access security.
- Support of different types of locking possible.
- Replacement of locking through detachable cover plate rear.
- Door reversible (left/right hinged).
- Door can open 165° in case of bayed cabinets.
- Door can open 260° in case of stand-alone cabinets.

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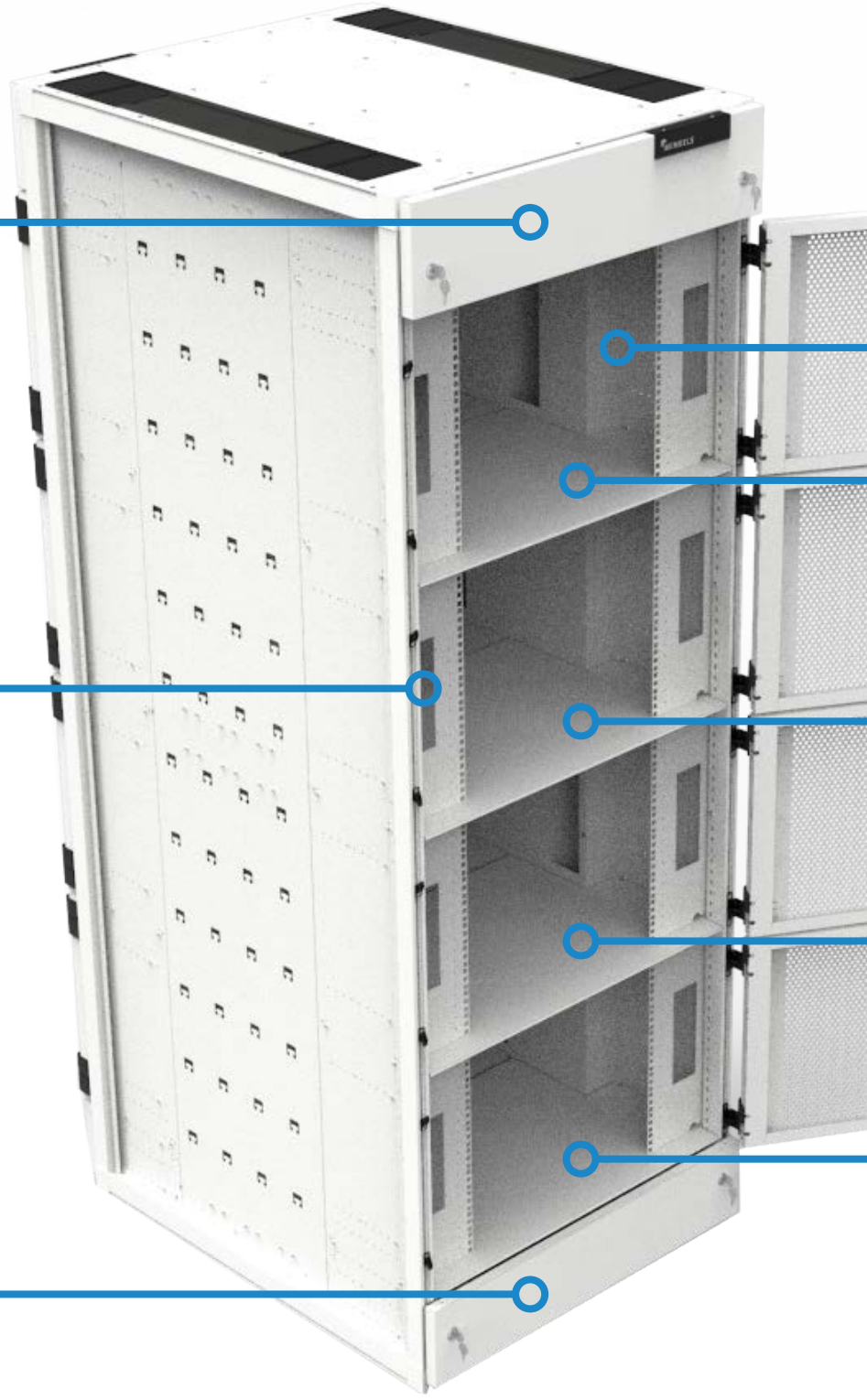
Unique features



800 mm Colocation cabinet with 4 compartents and 2 facility compartments

FACILITY COMPARTMENT

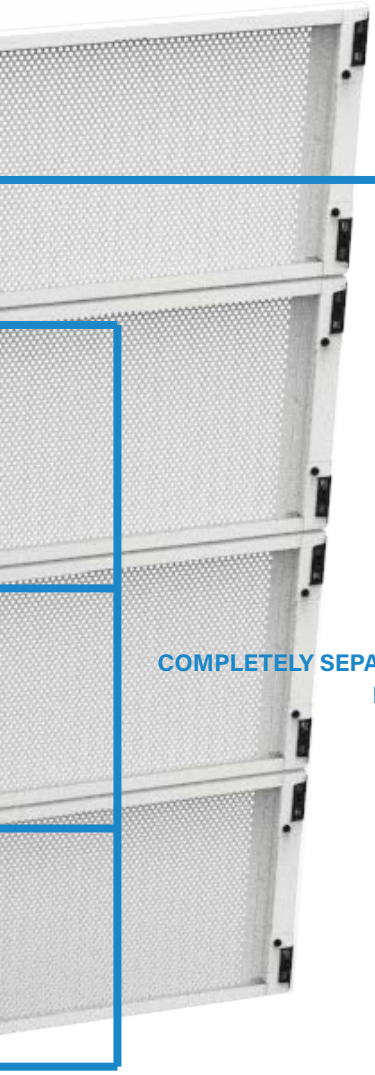
COLOCATION CABINETS WITH AIRTIGHT INTERIOR

- Best in class air tightness.
- Sealing cabinet-to-cabinet is optional.
- Sealing cabinet-to-floor and cabinet-to-aisle containment is optional
- Various VMRs options:
  - Airtight VMRs do not allow cable management accessories on the VMR.
  - Non-airtight VMRs allow cable management accessories.
- Brushes, foam or cover plates can be used to upgrade the airtightness of the solution where cables are not present.

FACILITY COMPARTMENT

SIDE PANELS IN COLOCATION CABINETS

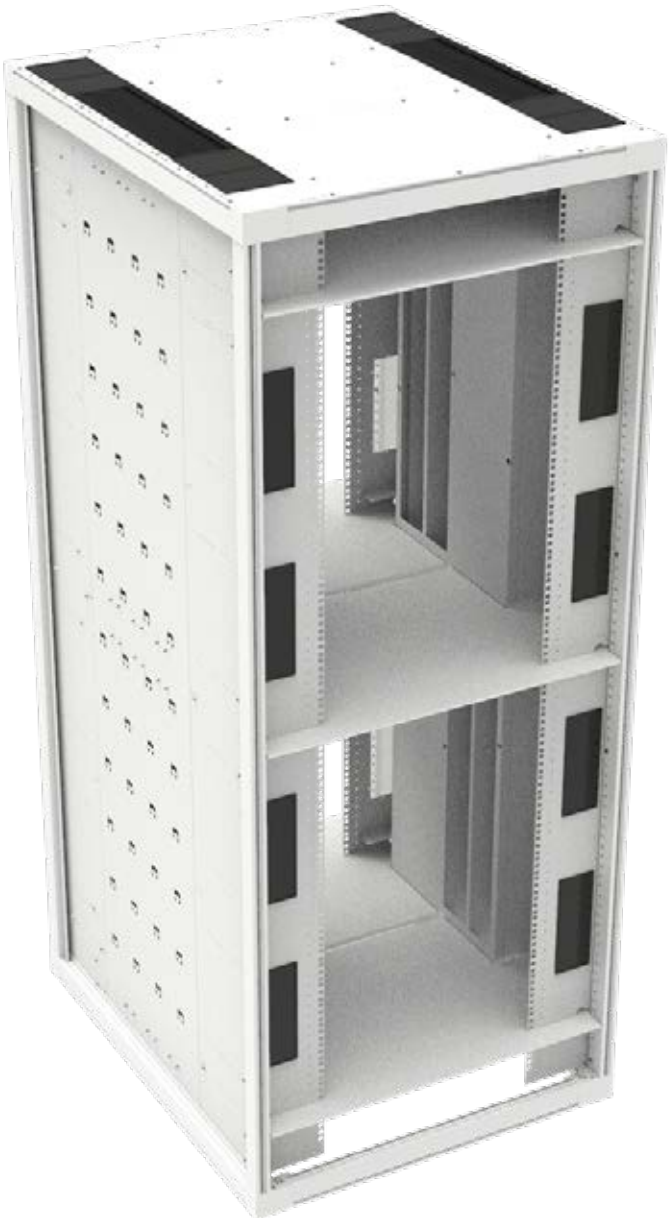
- Side panels are used when stand-alone is preferred or when the cabinet is placed at the end of the row.
- Earthing connection is established when locking the panels.
- Full-height powder coated side panels



INTEGRATED CABLE MANAGEMENT

COMPLETELY SEPARATED COMPARTMENTS – HIGH LEVEL OF SECURITY

800 mm Colocation cabinet with 2 compartents and 2 facility compartments



CABLE DUCT IN COLOCATION CABINETS

- Fixed position inside the frame.
- Enclosed and individual solution for each customer.
- Multifunctional cable duct to organise your cabling
  - Using tie-wraps and/or velcro

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