



MOBILE CONTAINER DATA CENTER SOLUTIONS



MOBILE CONTAINER

DATA CENTER SOLUTIONS



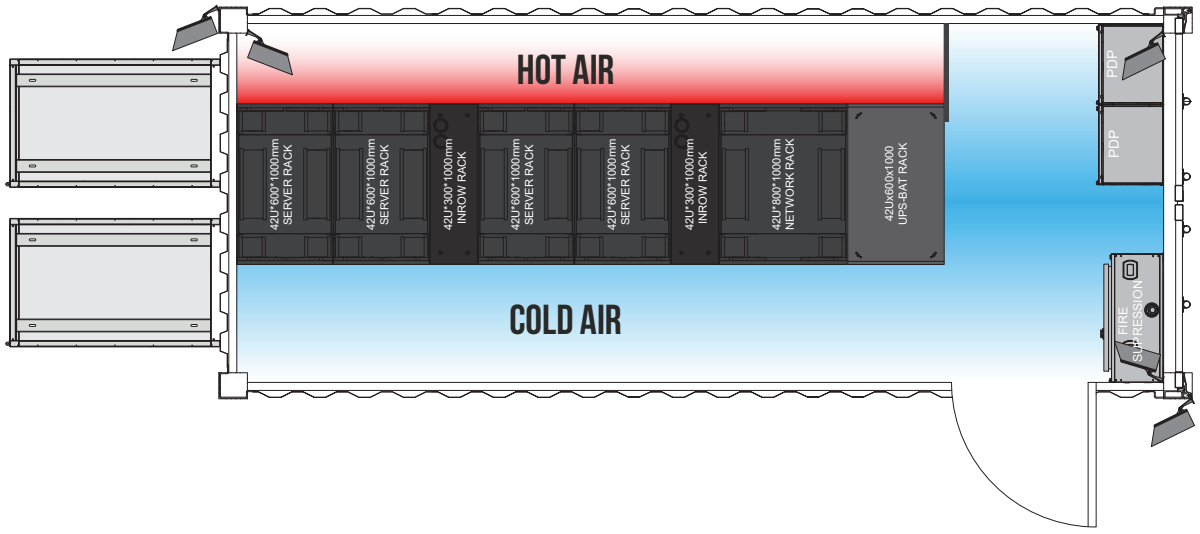
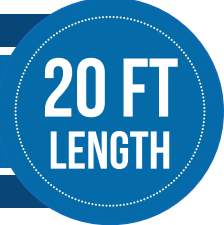
The mobile container data center provides a protected housing for the server cabinets, power distribution system, high precision air conditioning system, UPS system with backup banks, monitoring system, fire control system, and CCTV system.

The container data center provides the following functions:

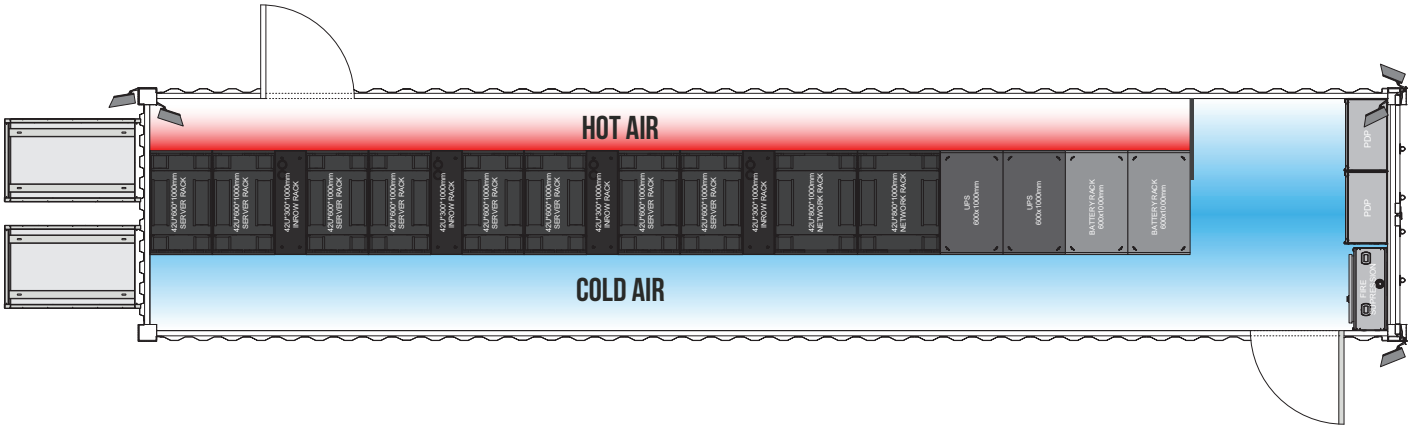
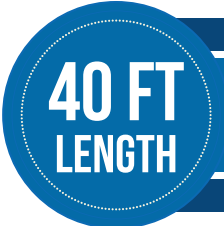
- Houses the container components which can be interconnected inside in a centralized manner.
- Provides a secured environment to protect the container from external impact
- Modularity based on future expansion and capacity extension
- Quick deployment advantage against traditional building data center
- As pre-assembled, configured and factory tested solution before delivery

MOBILE DATA CENTER CONFIGURATIONS

- 6058*2438*2591mm
- 5 Rack Cabinets
- N+1 Cooling Redundancy
- 2N Power Redundancy
- 30kW IT Load Limit



- 12192*2438*2896mm
- 10 Rack Cabinets
- N+1 Cooling Redundancy
- 2N Power Redundancy
- 90kW IT Load Limit



MOBILE DATA CENTER CONFIGURATIONS

45 FT LENGTH

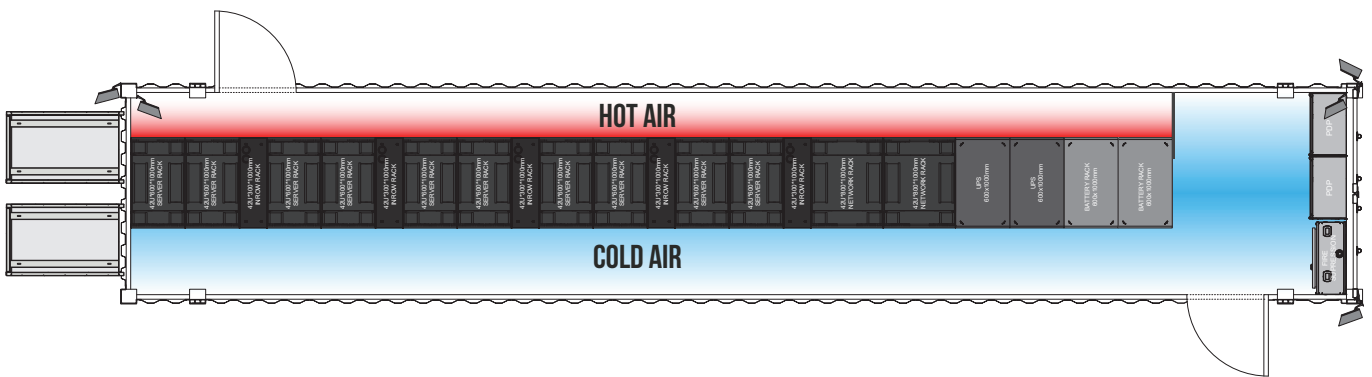
13716*2438*2896mm

12 Rack Cabinets

N+1 Cooling Redundancy

2N Power Redundancy

120kW IT Load Limit



13716*4876*2896

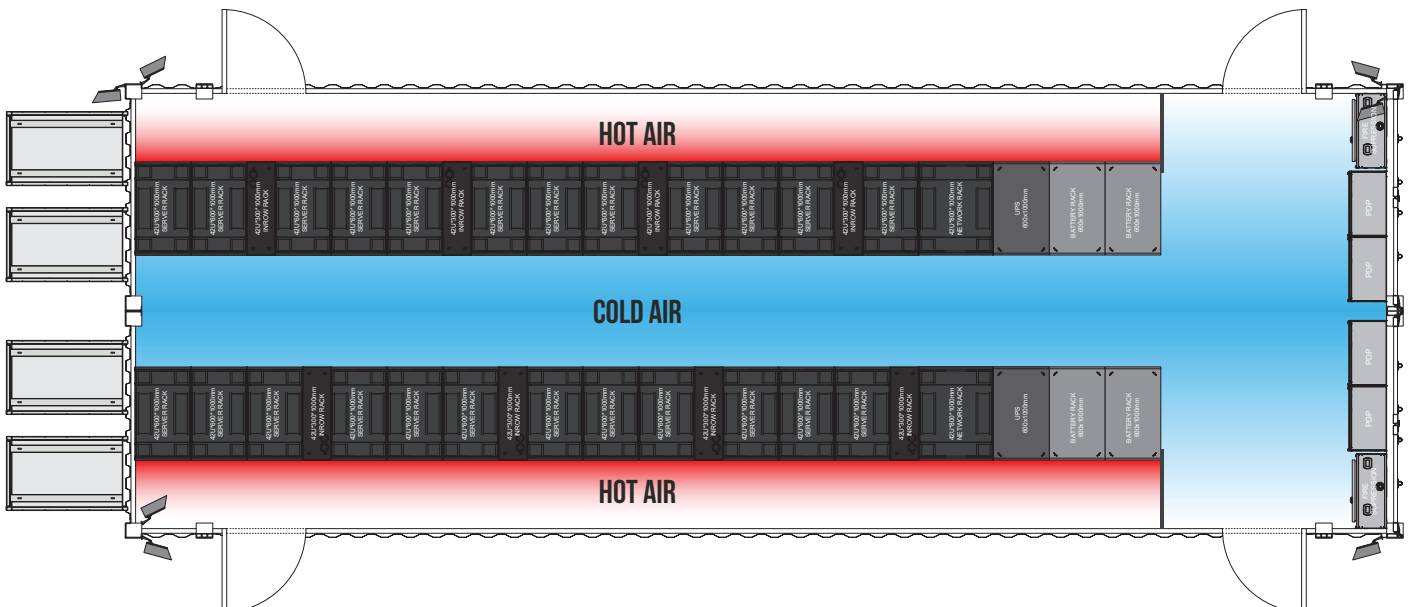
26 Rack Cabinets

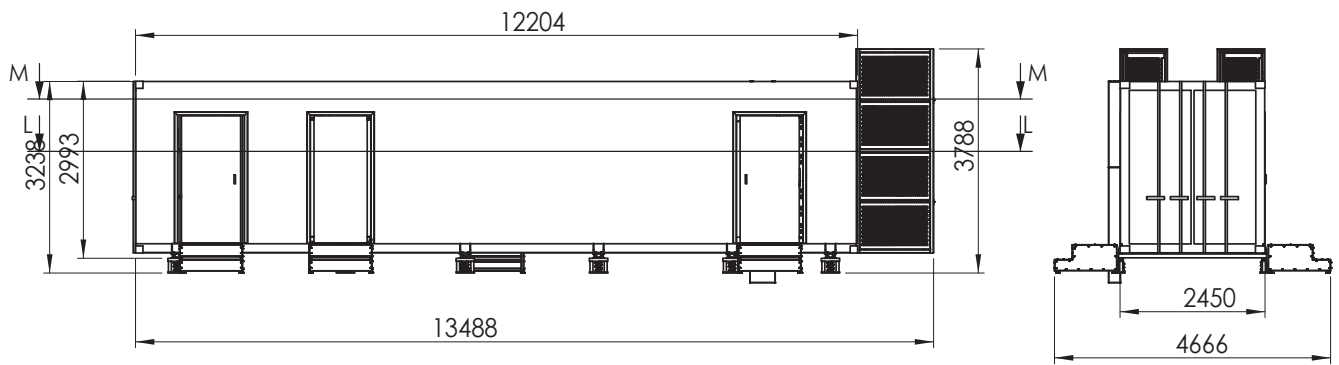
N+1 Cooling Redundancy

2N Power Redundancy

210kW IT Load Limit

2X45 FT LENGTH





Canovate Mobile Data Center Series					
	Configurations	CAN-CONT-20-XX	CAN-CONT-40-XX	CAN-CONT-45-XX	CAN-CONT-DBL45-XX
Container Specifications	Model	20ft	40ft	45ft	2*45ft
	"Dimensions L*W*H (mm)"	6058*2438*2591	12192*2438*2896	13716*2438*2896	13716*4876*2896
	Container Weight - Loaded (T)	5	12	15	28
	Container Type	Standard ISO Container			
	Environmental Protection	IP55, Water-proof, Dust-proof			
	Material	Trapezoidal steel sheet, 50mm Rack-wool insulation plates(Class-A1)			
	Min/Max Operating Range (°C)	-20 to +50 (min -40°C as optional)			
	Altitude (m) ¹	1000			
Rack Cabinet System	Service Life	25 years			
	"IT Rack Sizes W*D*H (mm)"	600*1000*2000 (Server Rack) + 800*1000*2000 (Network Rack)			
	Quantity of Racks	4+1	8+2	10+2	24+2
Air Conditioning System	Total IT Load (kW)	30	90	120	210
	Cooling Type ²	DX Based Inrow Cooling Units			
	Sensible Cooling Capacity per Inrow (kW) ³	32			
	Inrow Cooling Unit Quantity	2	4	5	8
	Redundancy Level	N+1			
Power Management System	Environmental Operating Range (°C)	-20~+50			
	Modular UPS Frame (kVA)	30	120	150	250
	Backup Time (minutes)	Standard 10 mins (additional backup as optional)			
	Power Distribution Unit	Monitored/Managable IP-PDU (20*C13+4*C19)			
Management System	Redundancy Level	N+N			
	Environmental Sensors	Temperature&Humidity, Smoke, Water, Door Contact, Vibration as default			
	Data Center Infrastructure Management (DCIM)	Advance management software which shows real time monitoring for whole container environment including all electrical components inside the data center area			
Video Surveillance System	Access Control	Fingerprint access controllers on main entrance door and sliding doors between cold-hot areas inside the container			
	Cameras	Bullet/Dome Type IP Cam, IP66, PoE, ONVIF			
Fire Control System	Video Record	8 Channel NVR, 6TB HDD			
	Detection and Extinguishing	Completely auto-sense detectors, point-based extinguishing with the nozzles for dedicated locations, visual-audible alarms with siren/strobe, manual release button, emergency stop function, user-friendly control panel			
	Gas Type	FM200 or NOVEC1230 (Inert Gas as optional)			
	Fire resistancy	F60 (Highly Fire Retardant)			

¹ Power and cooling derating is expected for more than 1000m altitude. Contact to technical department for more details.

² Air conditioning can be provided by CW based systems, CRAC/CRAH units, and even indirect evaporative systems as optionally

³ Each Inrow cooling unit provides 32kW sensible cooling capacity while Treturn is 35°C and Tambient is 35°C

MOBILE DATA CENTER

EXTERIOR PAINTING SAMPLES



40 FT MOBILE DATA CENTER

COMPONENTS

Modular UPS



Movable Cable Duct



Modular Fire Suppression Systems



19" Rack Cabinet



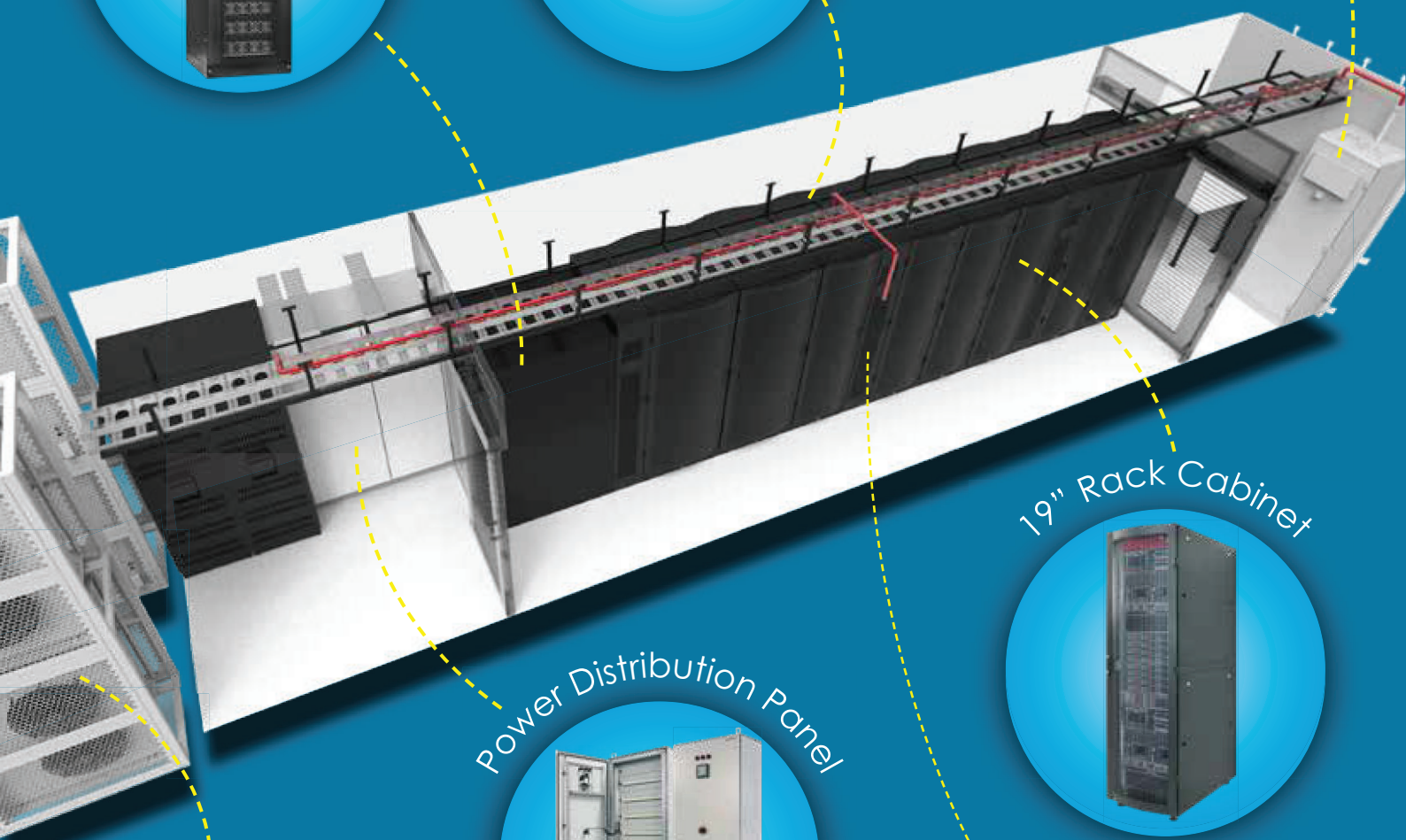
Power Distribution Panel



Inrow Cooling



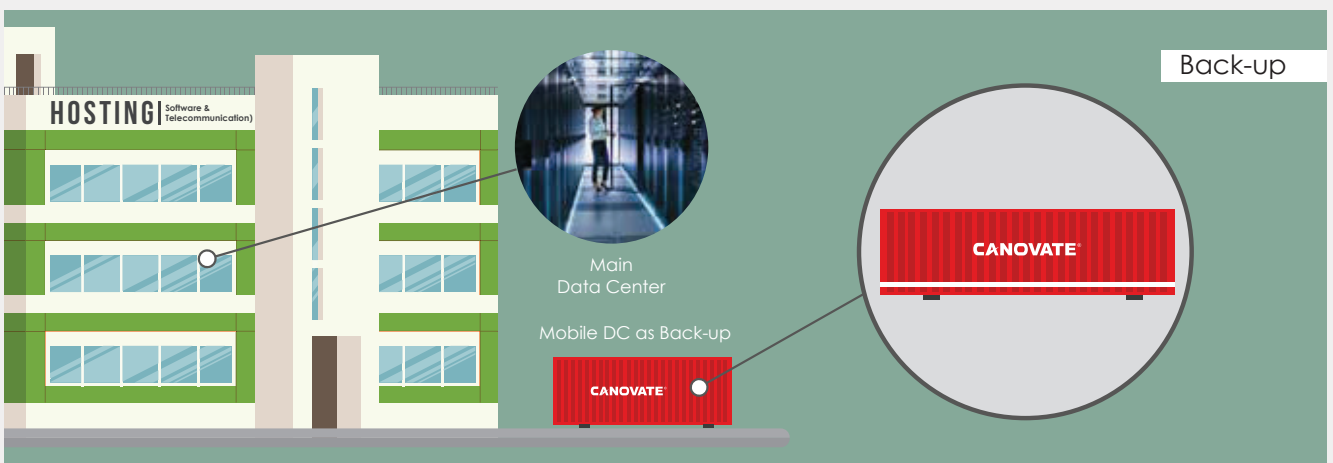
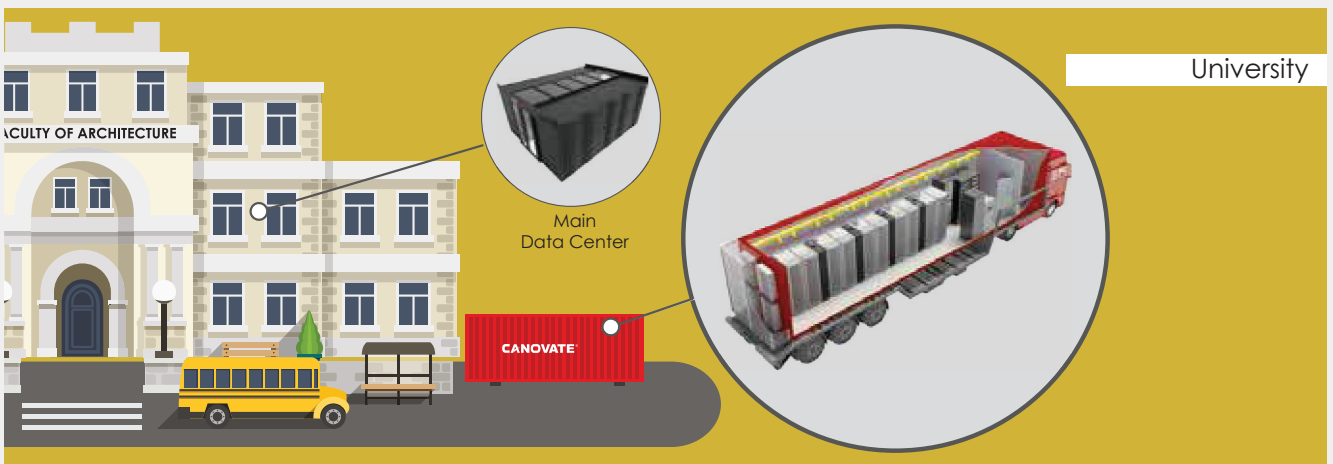
Outdoor Cooling Unit



MOBILE DATA CENTER SITE APPLICATIONS



CONTAINER (MOBILE) DATA C



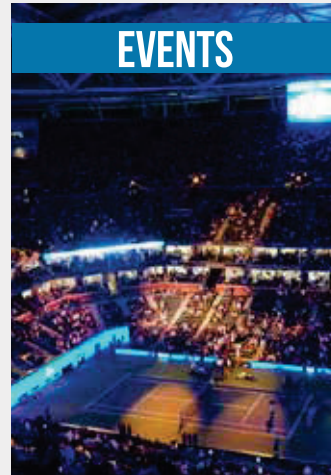
CENTER APPLICATION AREAS



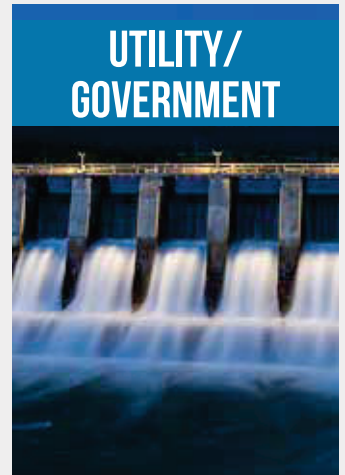
Disastery Recovery



Mission critical datacenters



Big sport events and expo organizations



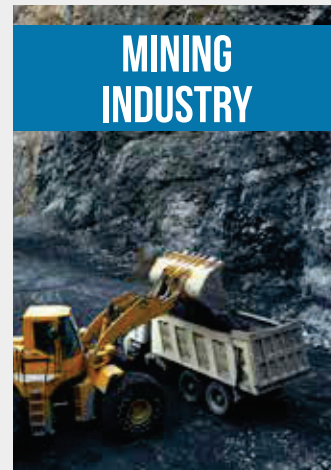
(Police, Electricity, Water companies etc.)



Temporary datacenter for big construction sites (ports , airport)



Oil drilling sites and offshore oil platforms , Electricity and gas utilities



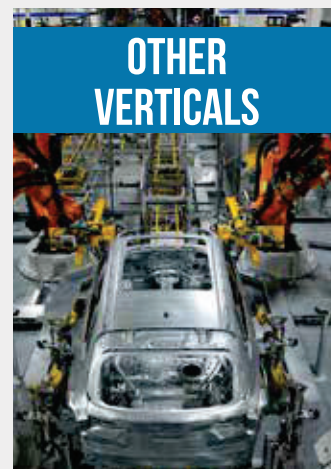
Remote locations where there is no established infrastructure



Modular DC concepts (Interxion, Equinix etc)



Disastery Recovery



Automotive, Media, & Entertainment, Retail, Manufacturing, Transport , Research