



MobileQube

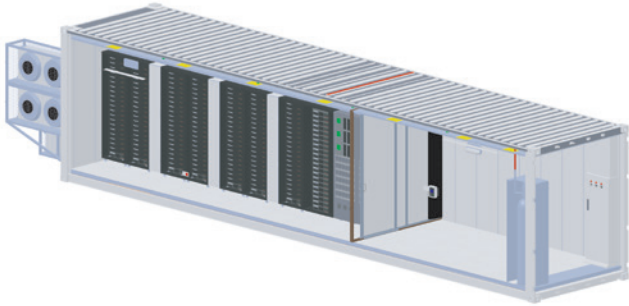
All in One Container Data Center



MobileQube

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MobileQube Data Center provides a fully functional data center inside a regular mobile Marine ISO Container or special design Modular Container with a complete infrastructure including, electrical power distribution, precision cooling, structured protection, fire protection, smart monitoring and access control...etc. Container Data Center's exterior is fully compatible with harsh environments manufactured of 2-2.5 mm sheet steel and including marine specified insulation, additional primer coating + polyester external finish to complete the **MobileQube**.



In today fast growing business Companies need to ensure their network infrastructure has the capacity to grow to meet the needs of their business but also to allow them to meet the needs and requirements of their customers. Large companies can find solutions for these requirements by their computer rooms (data centers) or buying the services from hosting data centers. However enterprises or large companies may not find available space in their existing buildings. To construct a new building for white space requirements are very costly. Other reason is in buildings which are used as offices and there are no suitable rooms or areas for the data center. In many cases planning restrictions or the infrastructure of existing buildings are not ideal for a computer room. Therefore **MobileQube** solution provides a cost effective, easy deployment and fully mobile Solution. **MobileQube** can be installed in a parking area, garage, warehouse, construction sites, garden and even on the roof of buildings. Potentially **MobileQube** can be also installed to the premises of a subsidiary where no space available at the headquarters thanks to its remote monitoring and remote managing features.



The other application for a **MobileQube** is disaster recovery needs of existing data centers. The benefits of a mobile data center that can be constructed quick and efficiently to allow a business to be back up and running quickly follow a disaster. There might not be available space within the existing building or the site may have been destroyed. The disaster recovery data center must be in a remote location away from the existing data center. Since the existing data center may be effected by an earthquake, flood or fire; than disaster recovery data center must need to back up the system. Due to fact disaster recovery data center and existing data center should not be preferred at the same building or location. **MobileQube** offers a fully flexible, cost effective solution for businesses to implement a disaster recovery data center.

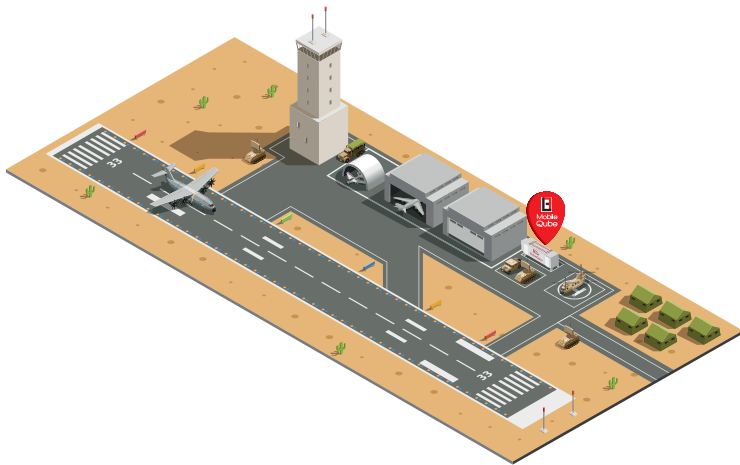


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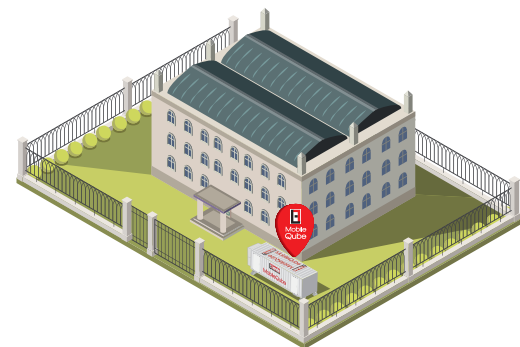
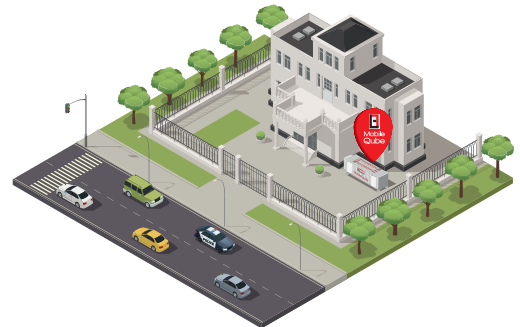
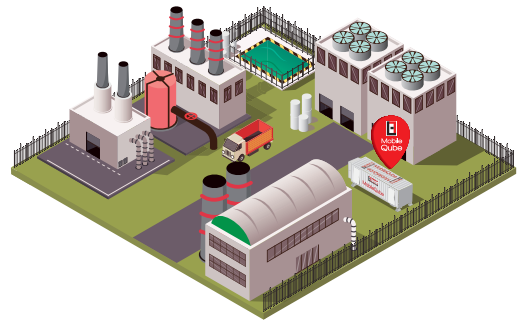
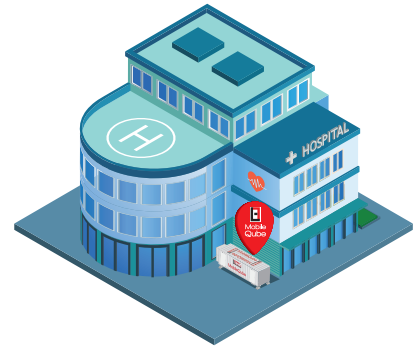
Who Needs?

All Size Companies and Industrial Facilities-Factories
Hospitals, Universities, Government Organisations,
Ministries, Airports, Military Bases, Border Control and
Large Security Infrastructures
Live Broadcasting and TV Channel Operations,
GSM Operations, Large Construction Sites
Public Facilities and Municipalities
+
As a Disaster Data Center



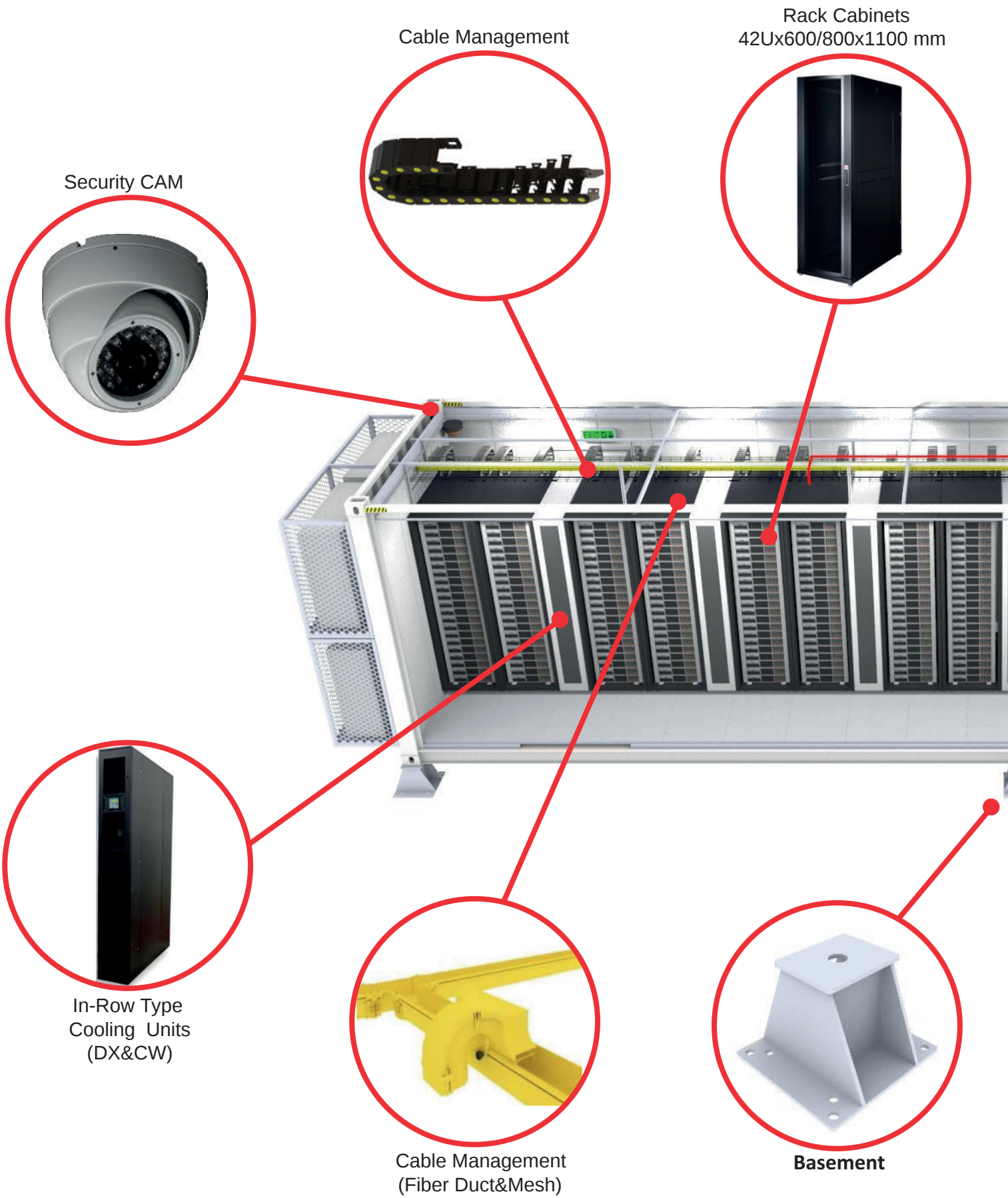
Benefits

- ✓ Unique All-in-One Solution
- ✓ Centralized and Intelligent Management and Monitoring
- ✓ Easy Manage, Maintenance and Repair
- ✓ High Power Density and Cooling Products
- ✓ Reliable Integrated Solution
- ✓ Pre-Fabricated Fastly and Easy Installation
- ✓ Low Power Consumption
- ✓ Easy and Fast Transport
- ✓ Easy Changing Location



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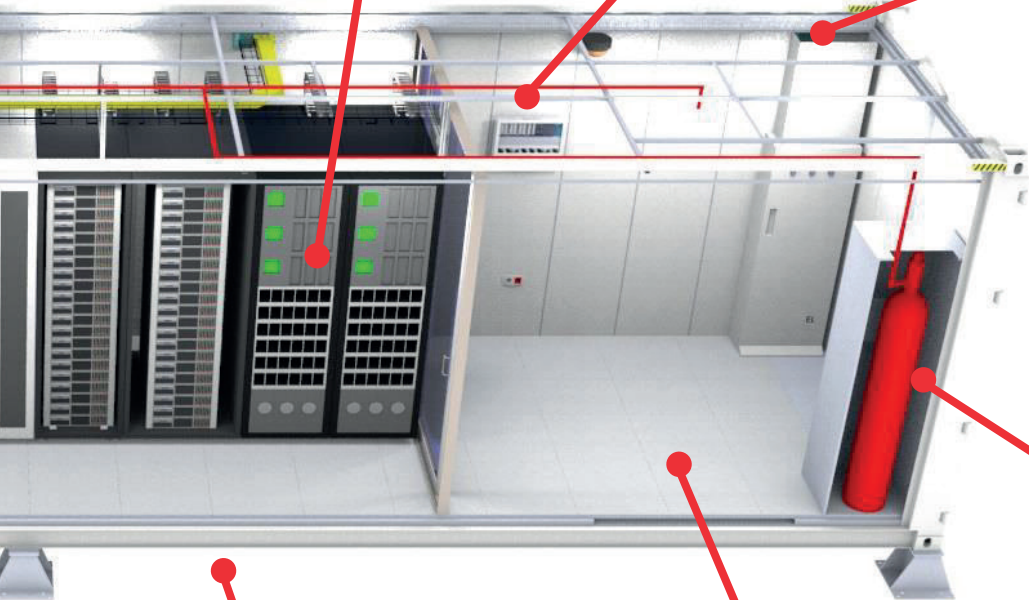
Modular UPS
45-90 kVA



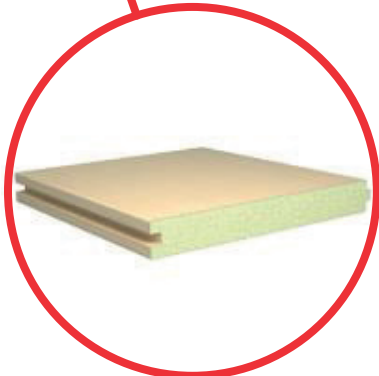
Monitoring System



Cable Entrance



Fire Detection and
Extinguishing System
(NOVEC1230&FM200)



Marine Type Sound &
Thermal Isolation



Security Access

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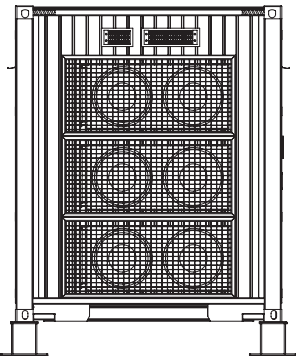
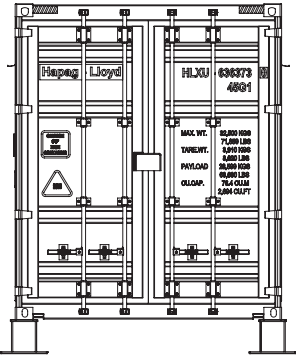
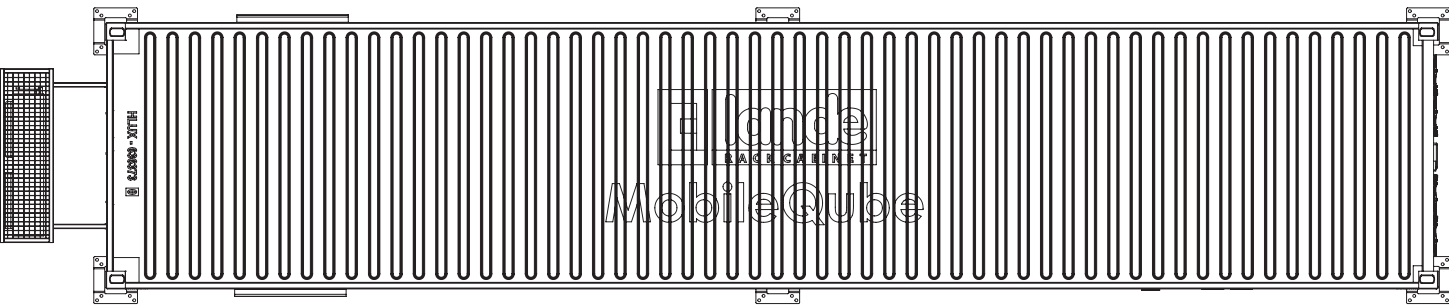
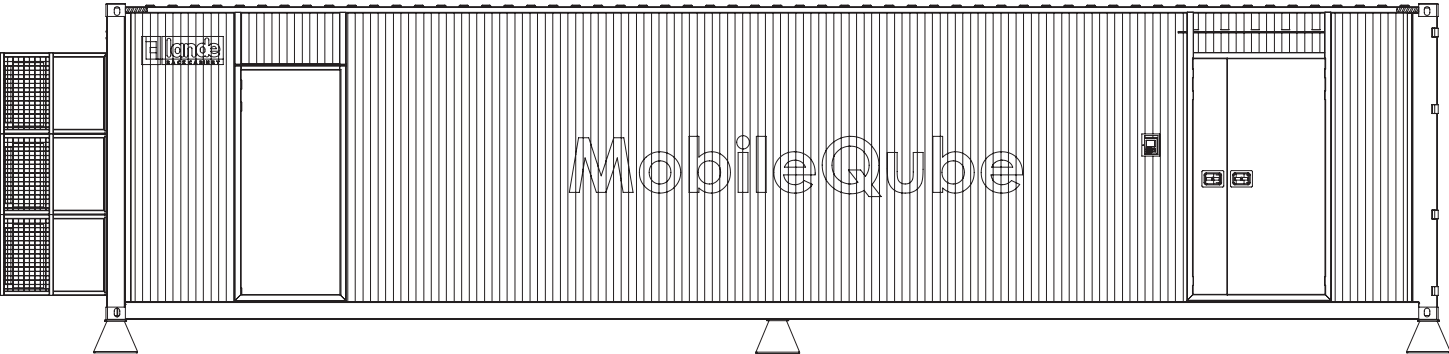
Product Selection Table

Lande MobileQube All-in-One Container Data Center				
Structure				
Model	-	LN-MQ20	LN-MQ40	LN-MQ45
Type	-	ISO Container, Marine Type	High Cube ISO Container, Marine Type	
Insulation	-	B Class Fire Protection, 142 kg/m³ Rockwool		
Height	mm	2.591	2.896	
Width	mm	2.438		
Lenght	mm	6.058	12.192	13.716
Energy				
Power per Rack	kW/rack	up to 8kW/rack		
Redundancy	-	N / N + 1 / 2N		
UPS	-	1. Modular 45 to 90 kVA with 15 kVA modules 2. Rack Type 10 and 20 kVA		
Battery Backup Time	min	5	15	30
Energy Input	-	3 Phases, 400 Volt, 50&60 Hz		
	-	Mono		Double with ATS
PDU's				
Types		Basic	Monitoring	Smart
		0U, Vertical		
Inpur		1P, 250 V, 3x4 mm Cable (8 kW)		3P, 400 V, 5x6 mm Cable (20 kW)
Output's		up to 32 ea C13 + 6 ea C19 1 Phase, 250 V	up to 32 ea C13 + 6 ea C19 1 Phase, 250 V	up to 24 ea C13 + 4 ea C19 1 Phase, 250 V
Cooling				
Cooling Type		DX-Direct Expansion		CW-Chilled Water
Capacity per Unit	kW/unit	20 kW/unit		30 kW/unit
Redundancy	-	N / N+1		
Dimensions	mm	42U x 300 x 1100 mm		
Racks 19"				
Type		Server Rack		Network Rack
Dimensions	mm	42U x 600 x 1100		42U x 800 x 1100
Amount	ea	6 ~ 10		0 ~ 2
Fire Suppression				
Type Gas		FM200		NOVEC 1230
Detection		Conventional		
Detection Sensors		Optical Smoke		Aspirating Smoke
Environmental Monitoring				
Main Unit		1U, Rack Type, Electronic Controller		
Sensors		Temperature, Humidity, Rack Doors per Rack, Temperature, Humidity, Water Leakage, Smoke Sensors for Container		
Security		Biometric, Keypad, RIFD (optional)		
Cameras		2~4 pcs. IP Cameras in Container (standard) 2~4 pcs. IP Cameras out of Container (optional)		

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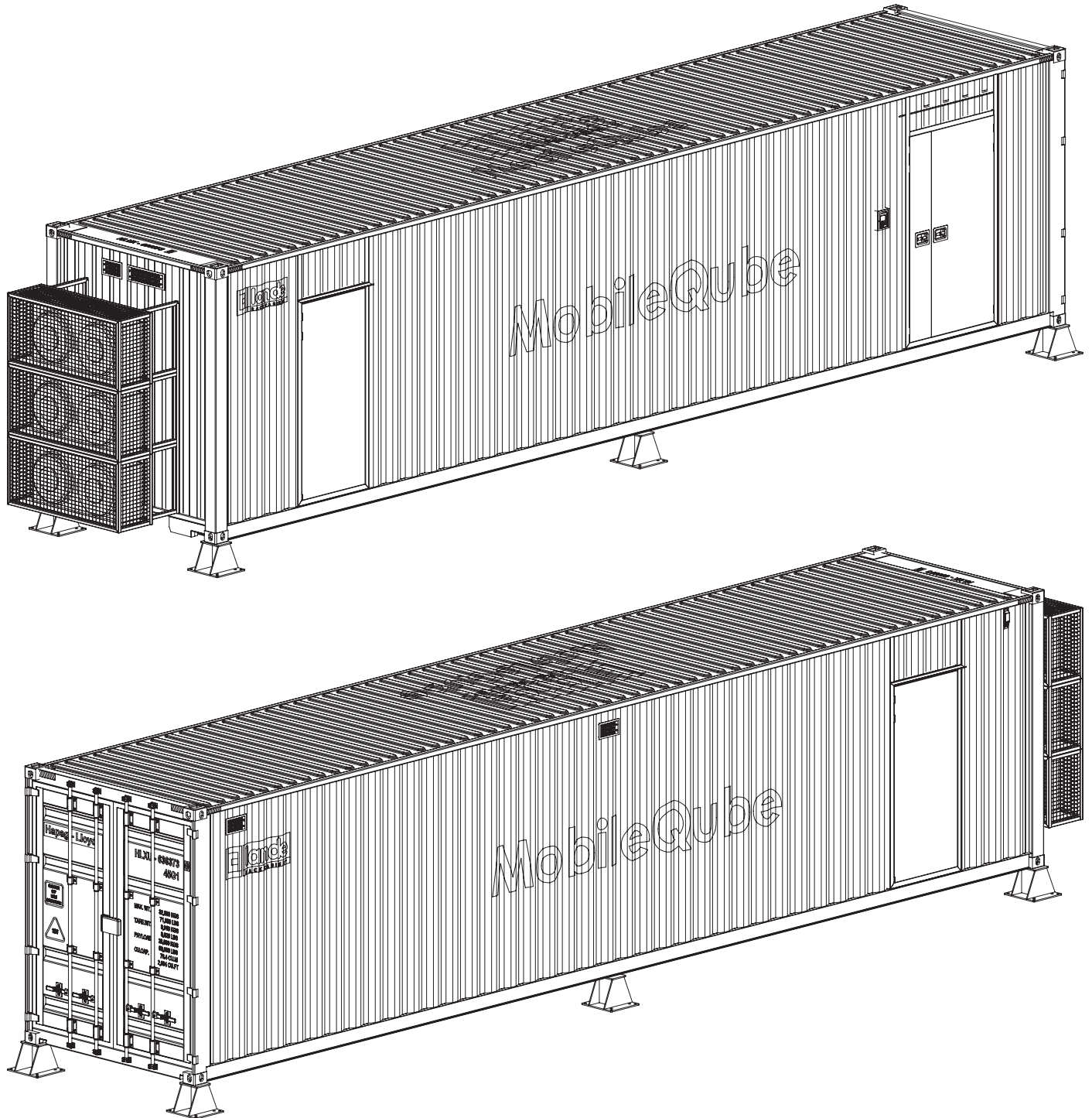
Consept Drawings



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Consept Drawings



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Specifications



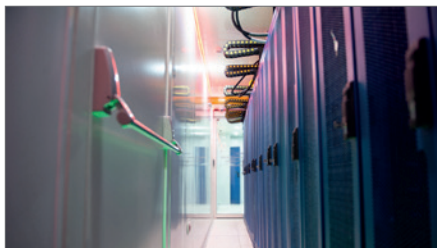
Security and Access Control



Locking Systems Basic, 3 Digit, Keypad, RFID, Fingerprint (optional)



Cable Management Fiber Duct, Mesh, Telescopic Overhead Cable Organizer



Emergency Door in each Corridor (1 in Hot, 1 in Cold) and Main Entrance



IN-Row Precision Cooling Unit



Sensors



Special Air to Air Condenser (Outdoor Unit)



Remote Monitoring Console



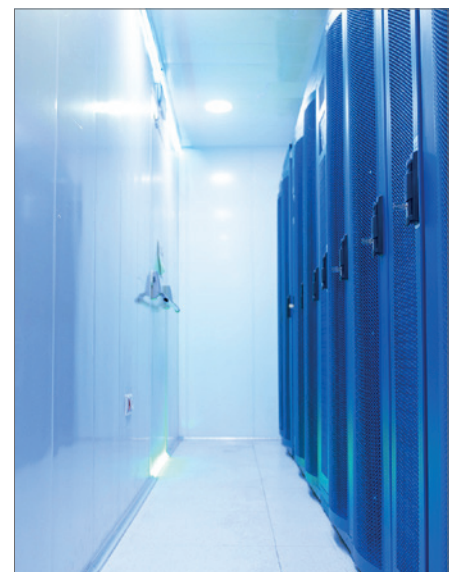
PDU - Basic, Monitoring and Smart



19"42U w:600/800 d:1100 Rack Cabinets with Special Sliding Mechanism



Conventional Fire Detection and Suppression System (FM200 or NOVEC)



Closed Cold & Hot Corridor



CONTACT DETAILS

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