

ONE-STOP MANUFACTURER

1

CABLE MANAGEMENT

Wire Mesh Cable Trays
Optical Fiber Cable Trays
Perforated Cable Trays
Cable Ladders
Metallic/Plastic Cable Trunkings

2

DCIM

Server/Network Cabinets
Wall Mounting Cabinets
Open Frame Racks
Cold/Hot Aisle Containments
PDU
Power Distribution Cabinets
Outdoor Cabinets

3

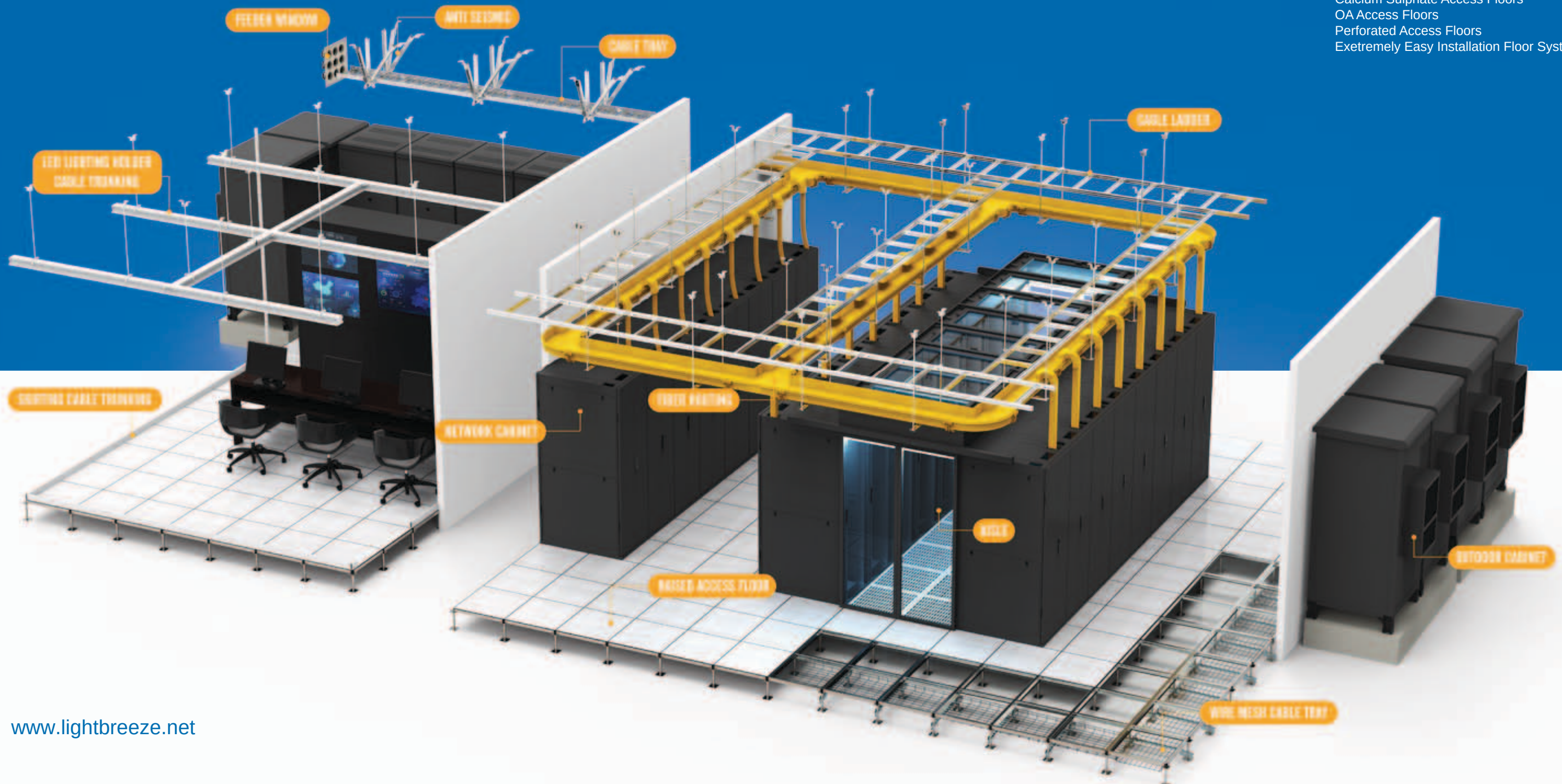
CABLE AND PIPE SUPPORT SYSTEM

Utility channel support system
Seismic bracing system

4

ANTI-STATIC ACCESS FLOOR

All Steel Access Floors
Ceramic Covered Access Floors
Calcium Sulphate Access Floors
OA Access Floors
Perforated Access Floors
Extremely Easy Installation Floor System



MODULAR MINI DATA CENTER



**ONE-STOP
MANUFACTURER**

The reliable UPS power distribution system continuously escorts the IT equipment. At the same time, it is equipped with a precision refrigeration system to ensure the operating environment of the IT equipment, and the dynamic environment monitoring system is used to monitor the working status of the equipment in real time. The integrated cabinet adopts a fully sealed design and can be used in a variety of harsh indoor environments without the need for a separate computer room.

The micro-intelligent integrated data center deeply integrates data center infrastructure products, including UPS, power distribution, refrigeration, cabinets, fire protection and other subsystems, and realizes overall management of all systems through the monitoring system, simplifying the design and construction process. In a nutshell, it is to highly integrate and integrate the network system, host system, storage system, security system and other systems, and "put it into" a cabinet for unified management, power supply and heat dissipation. So it is called an integrated cabinet, also called a cabinet type data center or a micro data center. According to the center. The reliable UPS power distribution system continuously escorts the IT equipment. At the same time, it is equipped with a precision refrigeration system to ensure the operating environment of the IT equipment, and the dynamic environment monitoring system is used to monitor the working status of the equipment in real time. The integrated cabinet adopts a fully sealed design and can be used in a variety of harsh indoor environments without the need for a separate computer room.

STRUCTURE



elying on its rich experience and technological precipitation in the data center industry, LIGHT BREEZE launched a cabinet–type micro data center solution in a timely manner, productized the overall infrastructure of the micro data center, and deeply integrated UPS power supply, power distribution, cooling, access control, lighting, The system integration of lightning protection, monitoring, cabinet, wiring, fire protection, emergency ventilation, etc. provides safe and reliable operation support for IT equipment, realizes one–stop deployment and operation management of data centers, and creates cabinet–type integrated micro data centers.



SPECS



- (1) UPS capacity: 3KVA, 220V input, 220V output.

(2) Battery: 12V, 7AH, 8 units

(3) Air conditioner: 4.2KW

(4) Outdoor AC unit: high efficiency A/C compressor

(5) Electricity part: input, output, anti–lightning, UPS bypass, coulometer, indicator

(6) Emergency ventilation: 3 units at the front top panel.

(7) Lighting: LED lighting at the top of front door.

(8) Ambient lighting: at two sides of cabinet front.

(9) Vertical cable lashing manager: At the rear of cabinet, each per side.
- (10) PUD: 1pc 8 way outlet, horizontal mounting.

(11) Environment monitor: AC, UPS, temperature and humidity sensor, smoke sensor, door access(optional)

(12) Monitor display: 10 inch LCD touch screen

(13) Door access: password, finger printer, IC card (optional)

(14) Cabinet size: 600W * 1200D * 2000H

(15)Fire fighting system: Aerosol, FM–200 fire extinguishing system 4kg/6kg (optional)

(16) Available space: 26U depends on the deployment of UPS, A/C and others.

DETAILED LIST

No.	Part name	Specification	Qty	unit
1	Modular cabinet	5. 尺寸 size: 600*1200*2000; 6. Glass front door, split rear steel door, 7.2 pieces cable lashing manager, 4 pieces of ø100 cable entry.	1	PCS
2	T5 lighting	LED white light, light on when door open.	1	PCS
3	Ambient light	color changes in red, green and blue according to temperature and alarm	1	PCS
4	Fan unit	3 fan units for emergence cooling	1	PCS
5	Power unit	Control all the power supply and electricity power in the cabinet.	1	PCS
6	UPS(with battery)	440*480*173 (4U), HR1103S 3KV/ standard, with battery	1	PCS
7	Frame type A/C (with outdoor unit of separate-bodied A/C)	GF-40QW/T01S	1	PCS
8	Monitoring host	1 piece of host, 1 set of 10" display, 2 sets of temperature and humidity sensor, 1 piece of smoke sensor, 1 piece of cable manager with cover	1	PCS
9	PDU	8 way horizontal mounting	1	PCS
10	Blanking panel	Toolless metal blanking panel	3	PCS
11	Blanking panel	6U snap-on plastic blanking panel	4	PCS
12	Door access	Including magnetic lock, password access, compatible in 10 inch touch screen.	0	PCS

MAJOR

DIVERSIFIED CONFIGURATION

Power Range 3KV-40KVA

Flexible
Expansion

ONE FOR TWO



ONE FOR THREE



ONE FOR FOUR



ONE FOR FIVE





TECHNOLOGICAL APPEARANCE

Simple and High Transparent Cabinet
Door Design LED Ambient Light



SIMPLE AND TIME-SAVING

Comprehensive Monitoring and Timely Warning
No Need for Engineering Construction



HIGH EFFICIENCY ENERGY SAVING

PUE Value $\leq$ 1.3



TOUCH SCREEN

Real-Time Inspection of Equipment Operating
Parameters Smart and Quick Operation



HIGH-END ELECTRONIC LOCK

Access way: remote control, IC card



SIMPLIFY OPERATION AND MAINTENANCE

Easy software operation
Intelligent Lighting Management



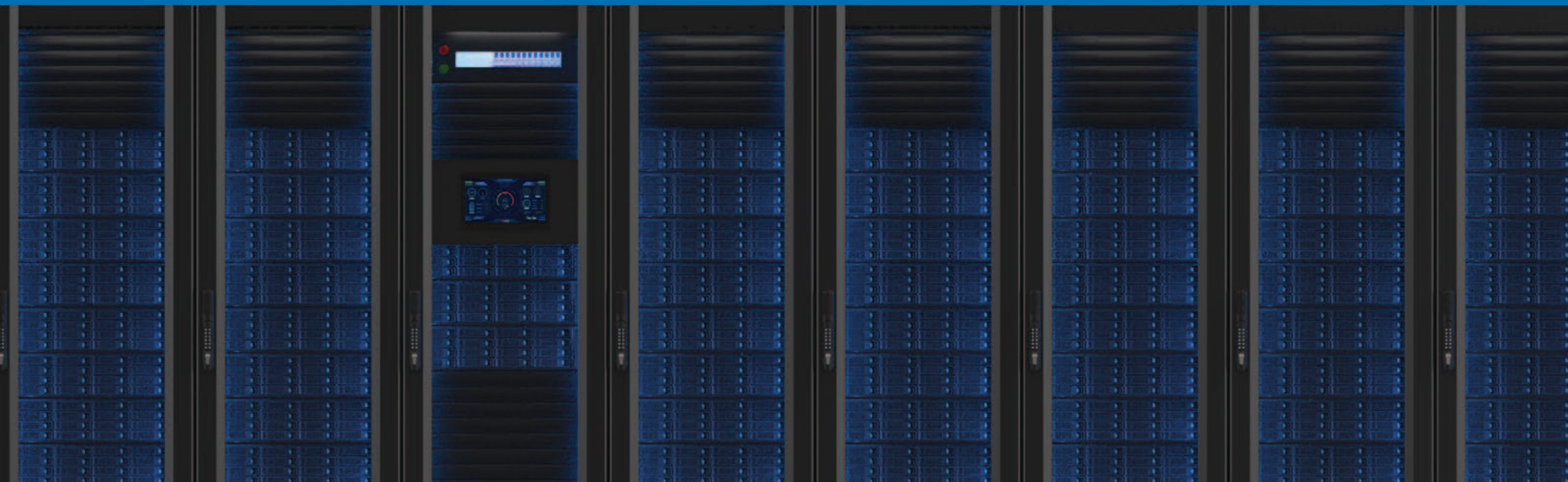
PERSONALIZED CUSTOMIZATION

Configuration customization is welcomed



INTELLIGENT LIGHTING MANAGEMENT

Light's color related to low, medium, high
temperature and warning status.





EXPANDABLE REAR DOOR



CABINET REAR DOOR
CAN BE EXPANDED BY 200MM

CABINET REAR DOOR
CAN BE EXPANDED BY 200MM

EASY AND TIME SAVING

Deeply integrated micro data center, pre-inspected equipment is more safer and normalized, sealed design for better protection to IT equipment, environment monitoring system keeps all the equipment runs in safe condition, no on-site construction reduce the project completion time.

LOWER COST

Occupying area only 0.7M2, sealed design makes it capable of most projects, saving cost by without decoration and access floor etc., sealed designed also helps improve the PUE vale, thus the maintenance cost is reduced.

INTEGRATION

Modular data center integrated UPS, power supply, air conditioning, door access, cabinet, lighting, fire fighting, dynamic environment monitoring, emergency ventilation etc., simplify the procedure of design, procurement and construction.

INTELLIGENT LIGHTING MANAGEMENT

Built-in LED ambient light on two sides of cabinet, reflecting the temperature, humidity and whole situation by different light color. Blue, gree and red light related to low, medium, high temperature and warning status, or define the color by own.

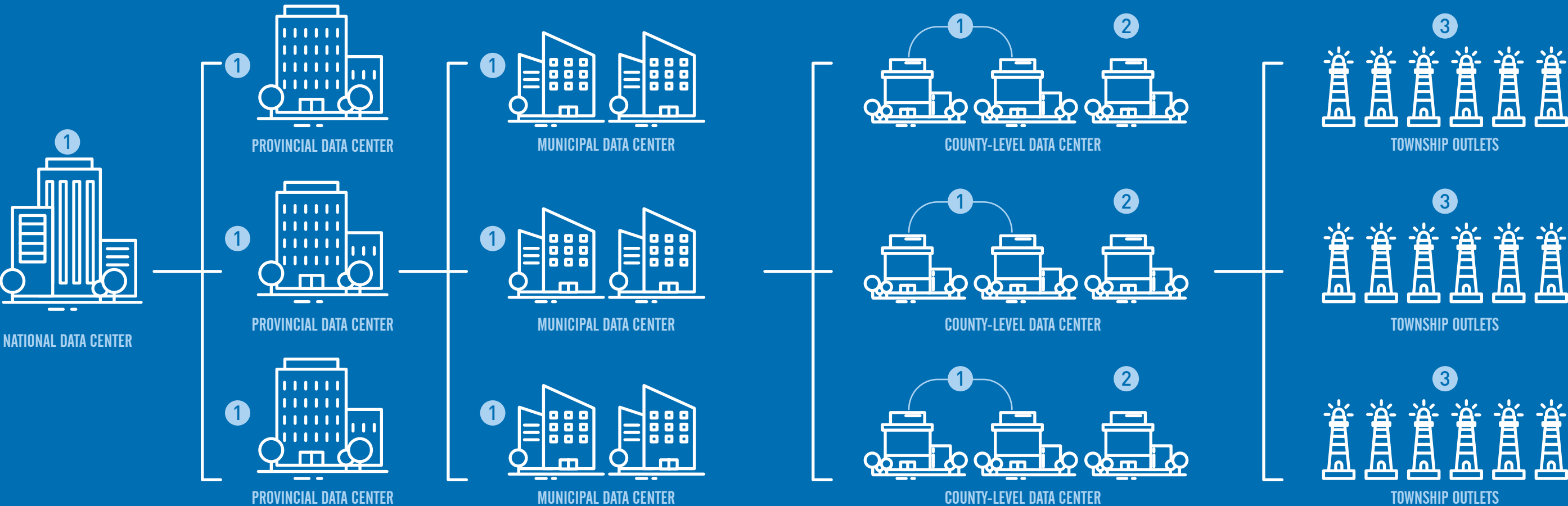
HIGH EFFICIENCY AND ENERGY SAVING

Integrated design helps reduce the area of computer room by about 40%, sealed design makes it possible to deployed at different locations, no necessary to have a computer room, integrated design also saves the installation time. Full sealed design improves the cooling efficiency, saving more than 30% energy than traditional computer room, makes the PUE value lower than 1.5.

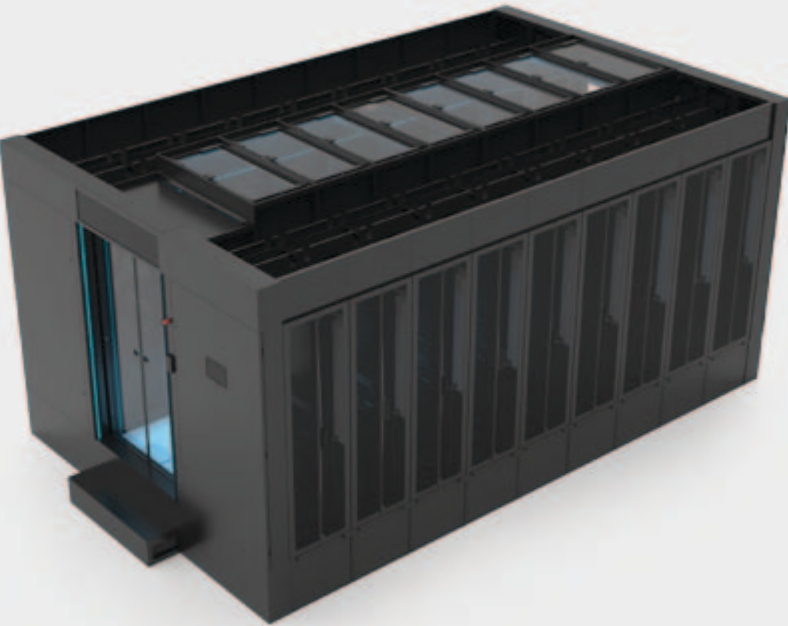
SIMPLIFY THE MAINTENANCE

The environment monitoring system monitors the whole system operation, provides alarm, reports, no watch guard is needed, by the internet and related software, makes the remote control into realization, the unit system can be combined into upper maintenance system for central management. Thanks to the castors at the bottom of cabinet, micro data center can be moved, removal in an easy and flexible way.

GOVERNMENT DEPARTMENT APPLICATION FRAMEWORK



1



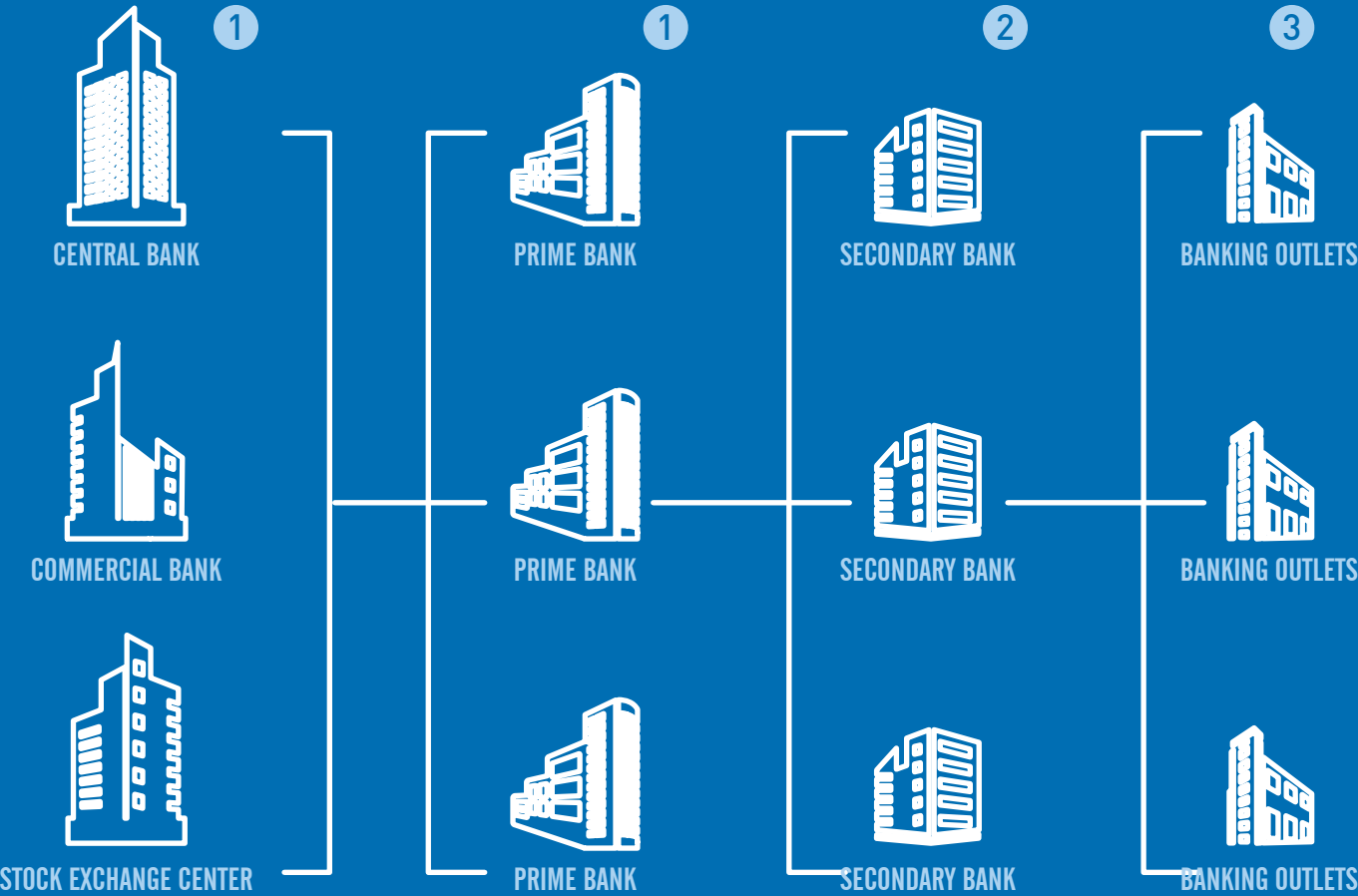
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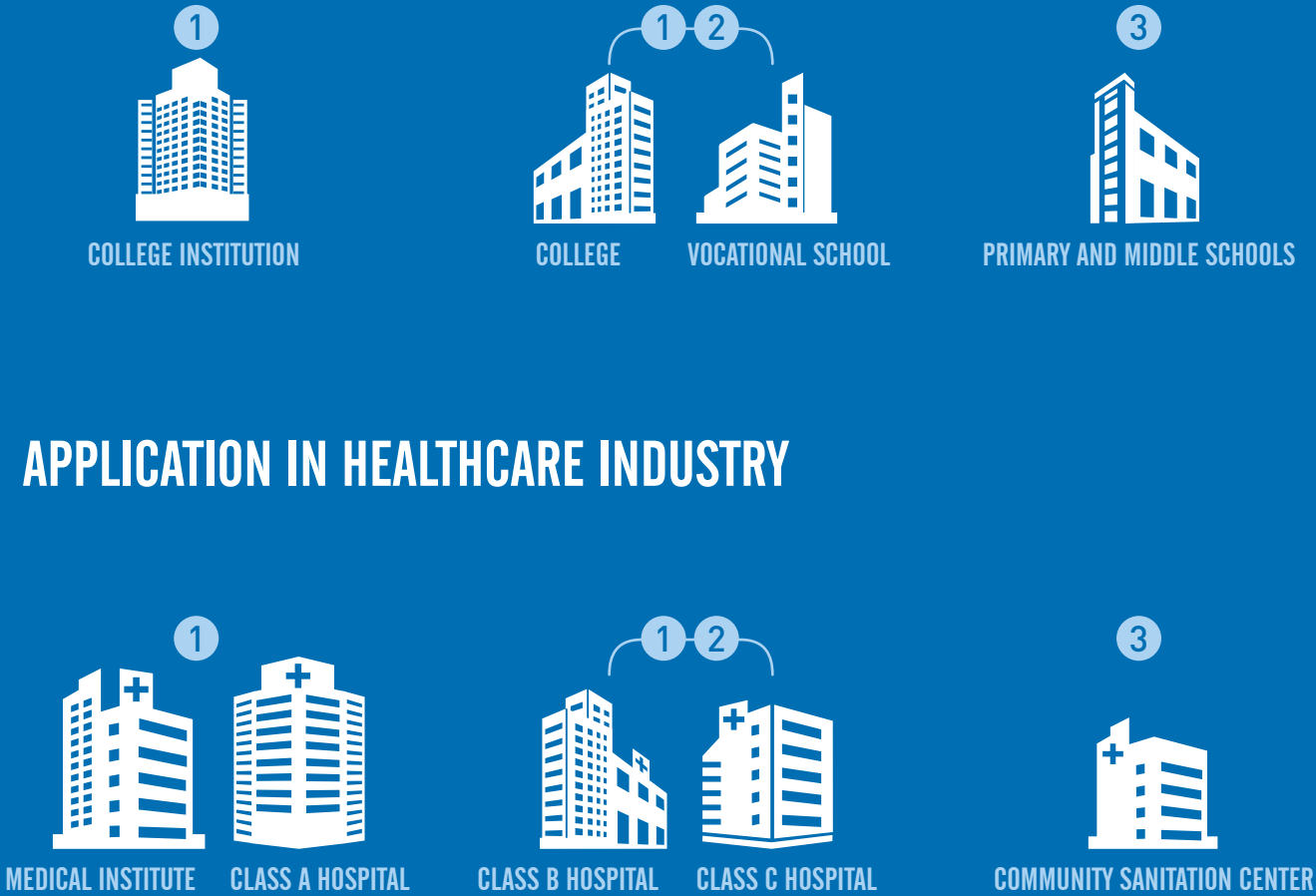
FINANCIAL INDUSTRY APPLICATION ARCHITECTURE



APPLICATION IN EDUCATION INDUSTRY



APPLICATION IN HEALTHCARE INDUSTRY



1



2



3

