ufinet
Your true business partner

Largest Neutral Hyper Scale Data Center In The Country

IT ROOM 1
100% Done

- TIER III

- Capacity from 80 to 104 Racks

- Up to 47 RU of Space per Rack

- Up to 17 KVA per Rack

- From 2 to 6 power connections per Rack

- Each connection with 48 C13/C19 sockets

- Double fiber optic connection up to 100 gbps

- Double cross connection to all racks

- UPS power from 4 hours

- Generation Energy up to 10 uninterrupted days

- 1.7 Million BTU of air conditioning per room, Redundancy 2 N + 1

legrand® | HIMOINSA THE ENERGY | ABB | EDPAC | VESDA | SIEX

IT ROOM 1
100% Done

- AC connection 120 /220 V

- DC -48 V connection available

- Temperature and Humidity Control for each Rack

- Preventive Detection of Harmful Particles and Gases

- Fire extinguishing in 5 seconds, Novec 1230 latest generation

- 4 Bottles for Each Room

- Availability Monitoring 24x7

- Private Physical Security

- Strict Facial and Fingerprint Biometric Access Control
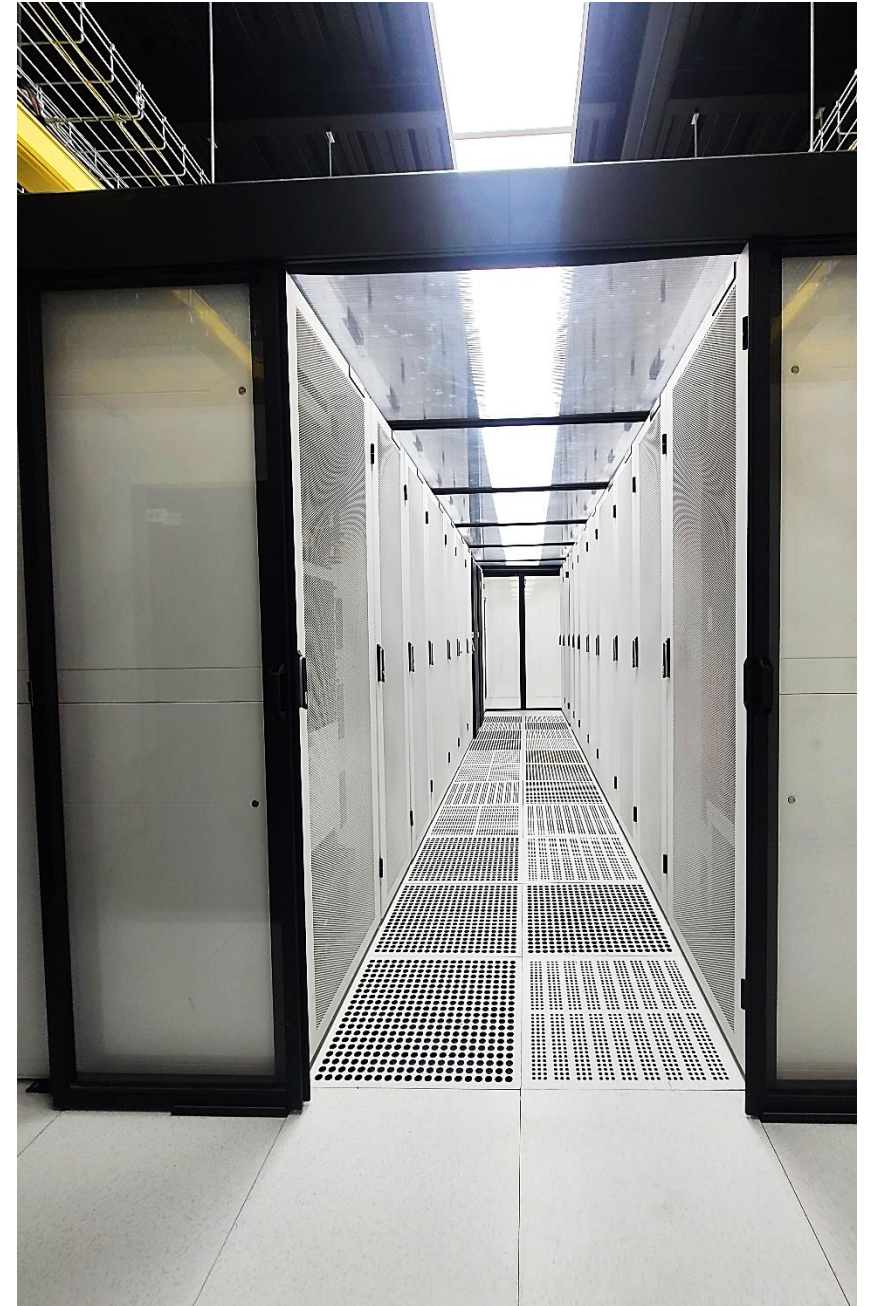
- In process ISO 27001 and PCI-DSS

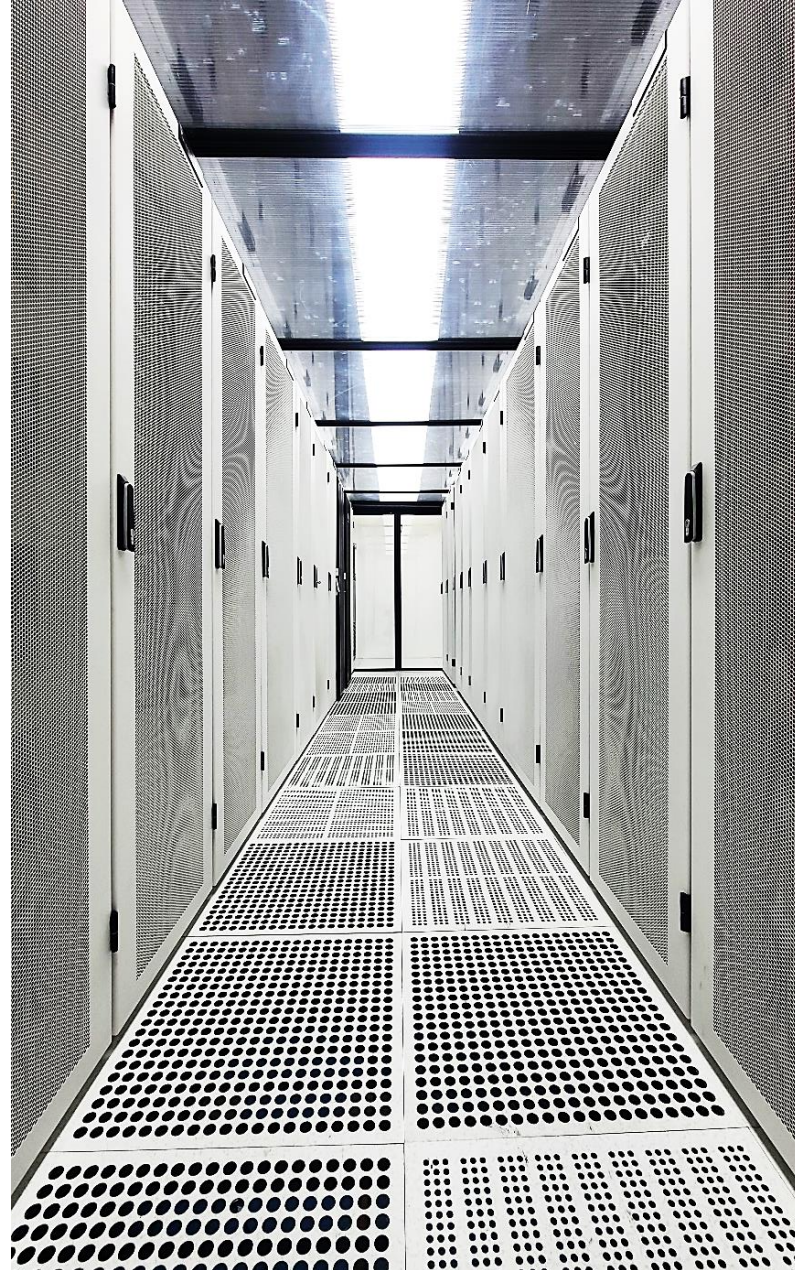IT Room #1
100% in
Operation
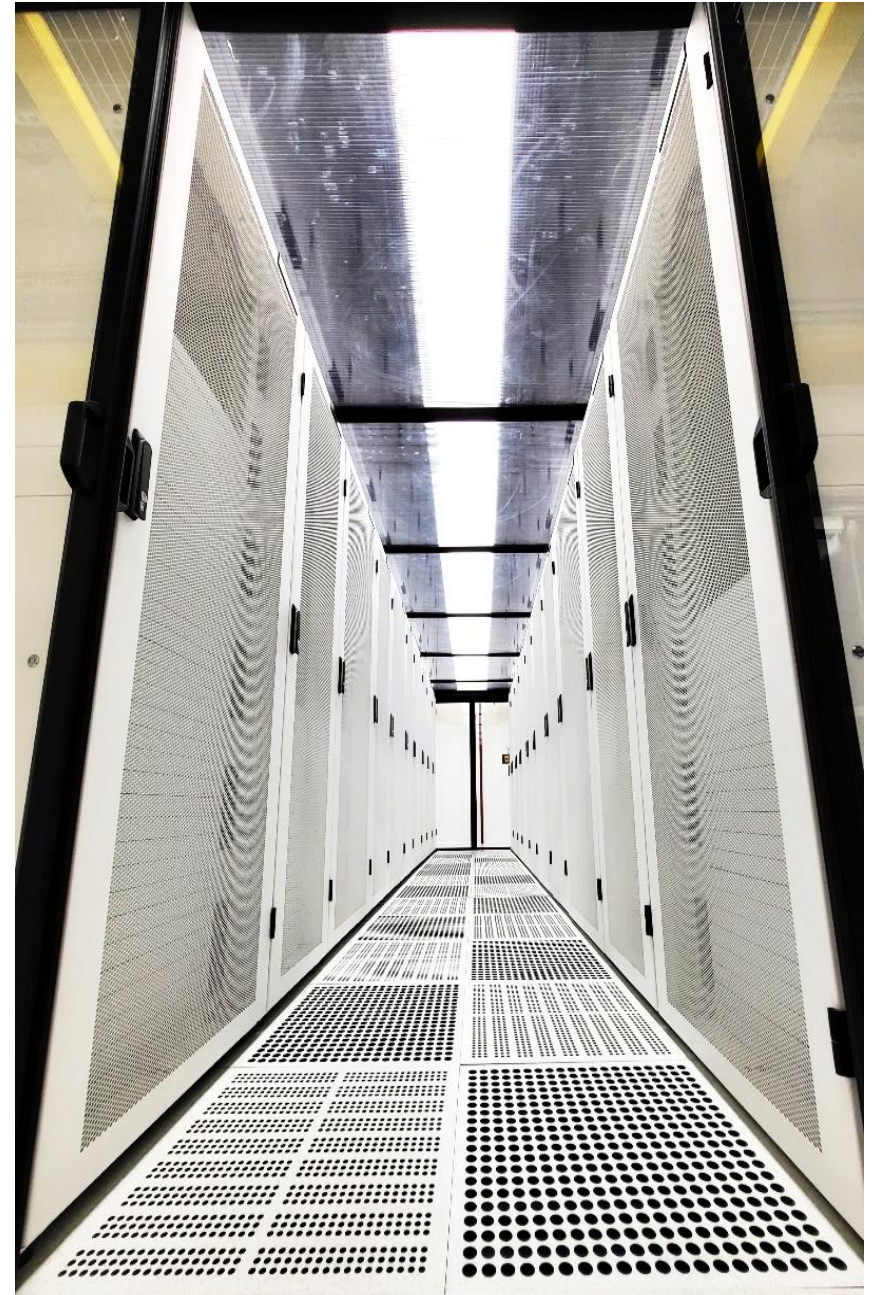
legrand®

Cold Aisle Confined Space

Air
Conditioning
by Perforated
Technical Floor
to Ensure Air
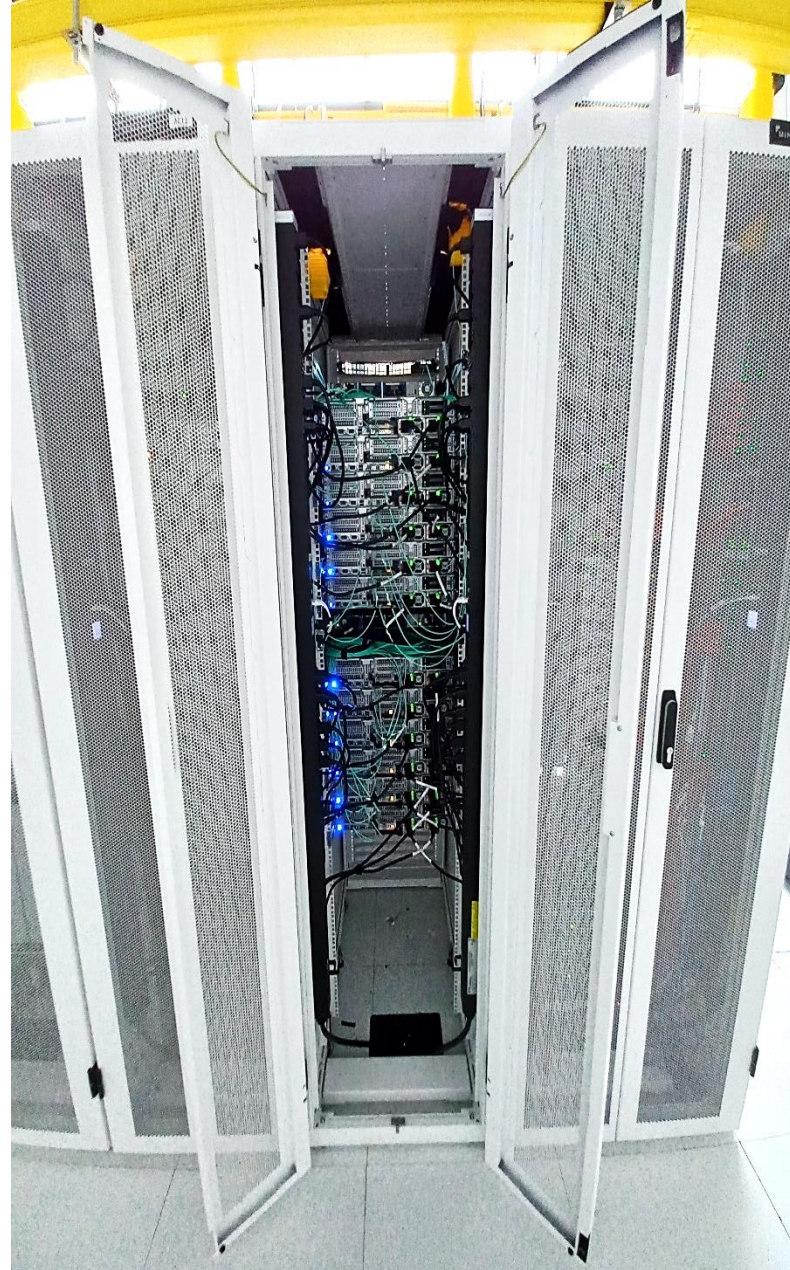Flow Precision

Racks 47 UR
Legrand
800mm X
1200mm X
2307mm

- Front View in Cold Aisle
- Automatic Temperature and Humidity Sensors in Each Rack

Racks de 47 UR Legrand
Puerta Frontal
tipo Malla
Puerta Trasera
Doble Hoja

- Back View in Hot Aisle
- Two Legrand A+B PDUs
- 48 x 2 Regulated Sockets
- Double Fiber Optic Access

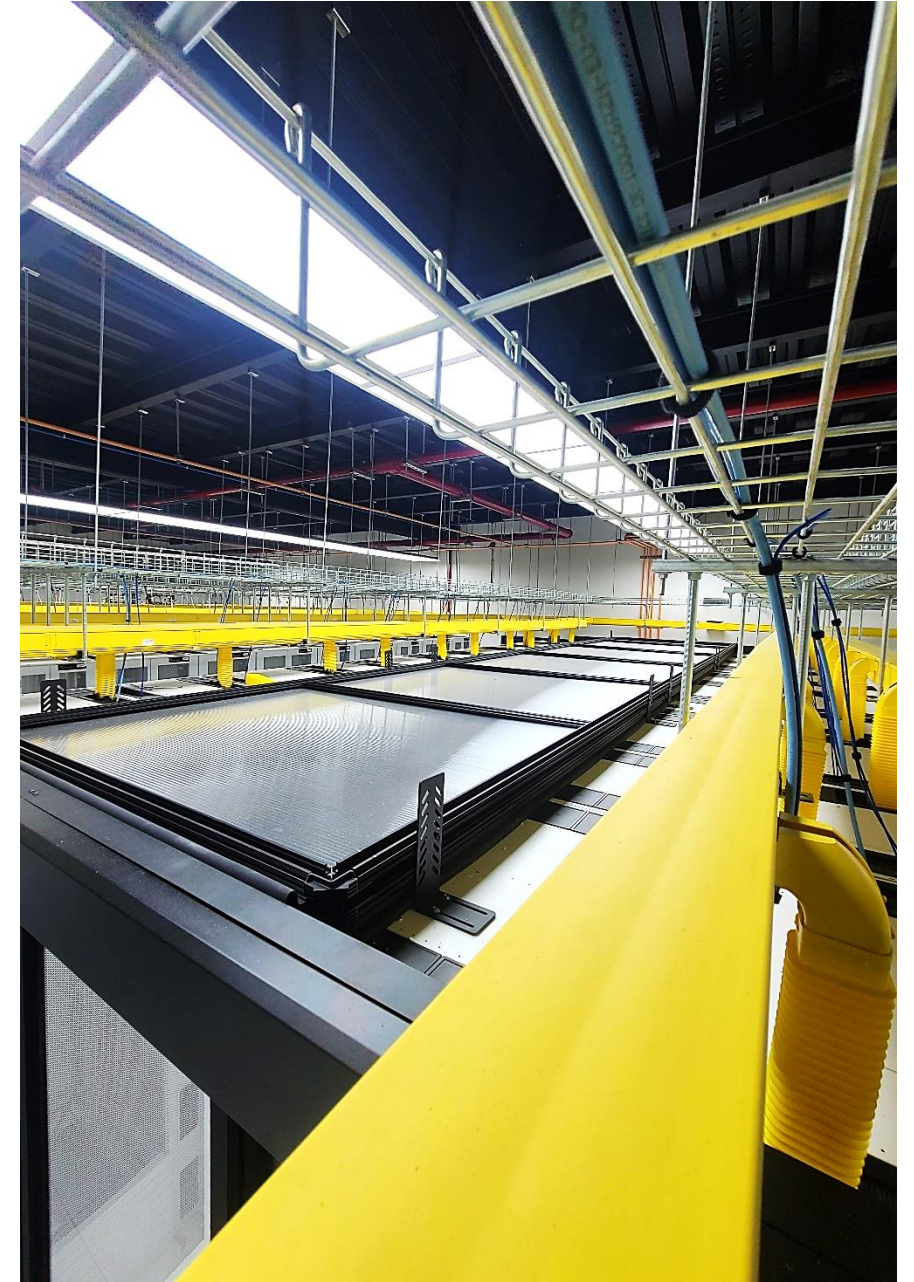Legrand Managed and Redundant PDUs with 48 outlets each (C13 – C19)

- Each Rack Supports up to 6 PDUs of 48 Outlets

- Hot Hall
- Confined space

Wide Spaces that Allow Large Equipment to Enter
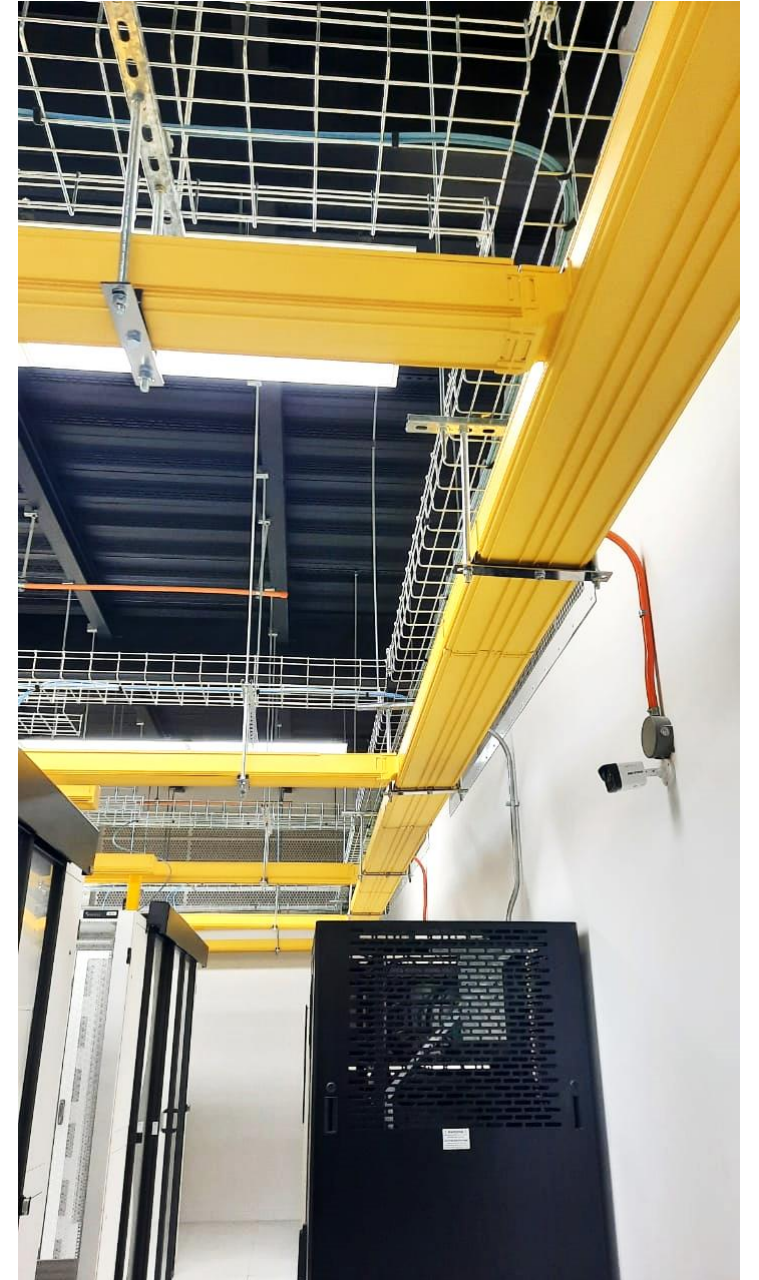
- Gas Predictive System

Early Detection System for Harmful Particles and Gases

VESDA

Fiber Runner with Two Run Legs and Copper Run Ladder

Health
Monitoring

Cross Rooms
Connection
Environments
A and B

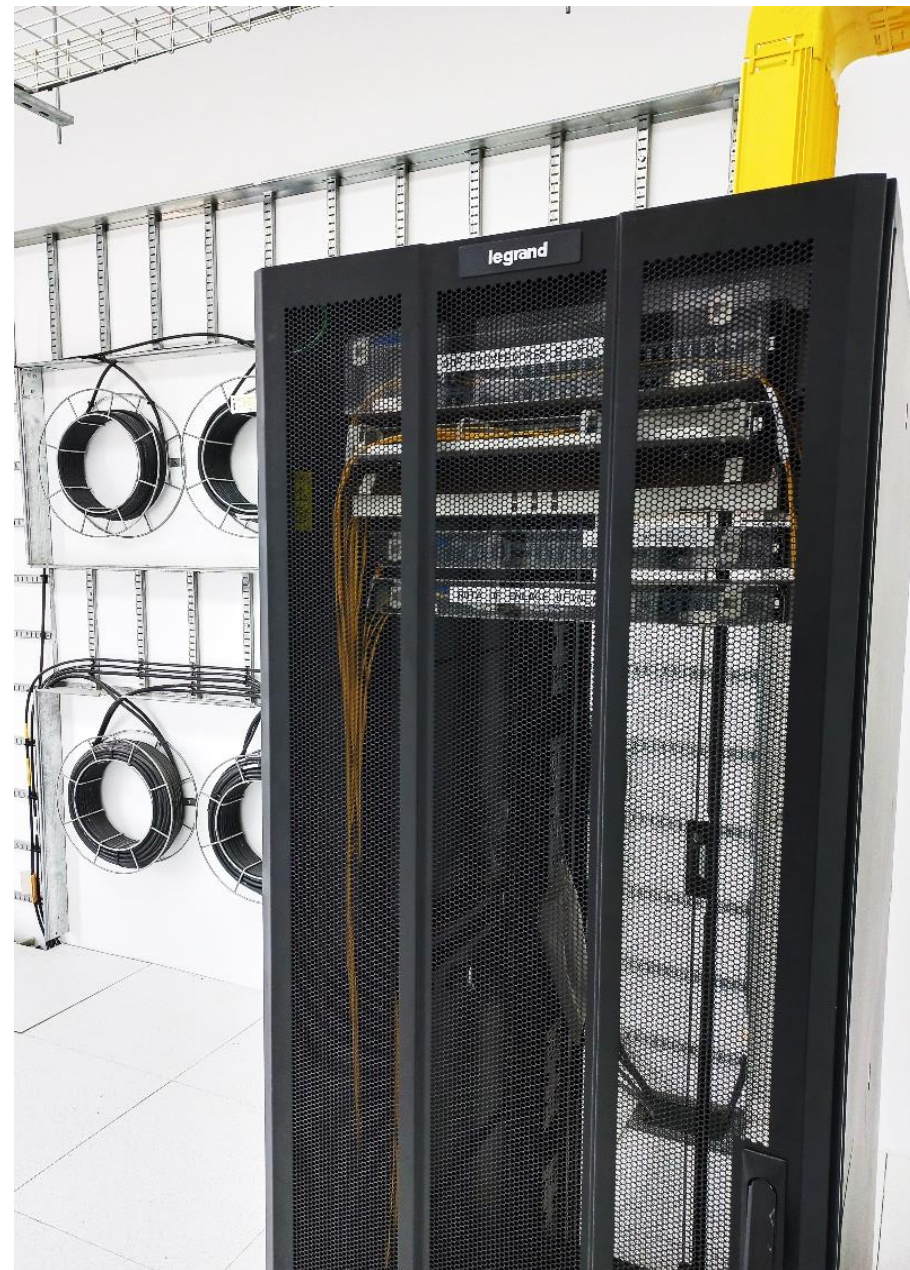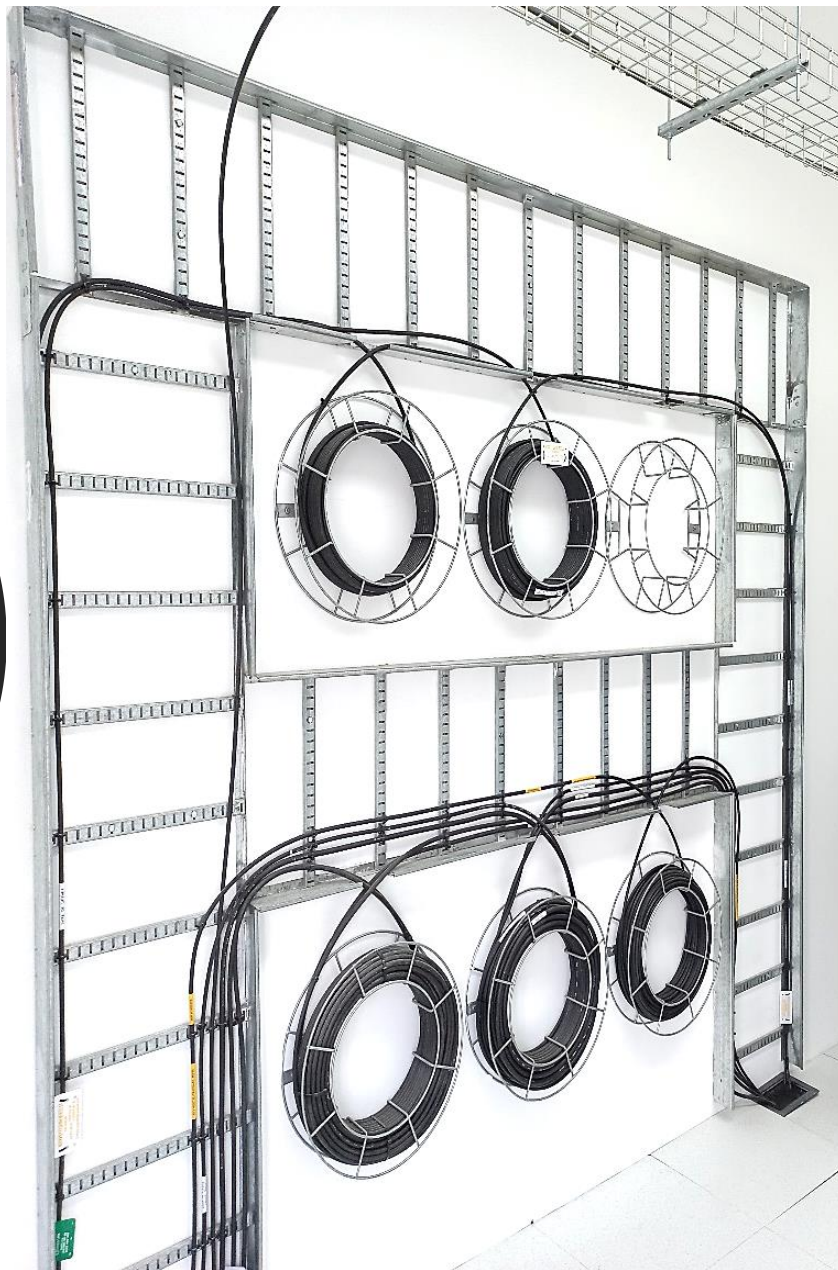Capacity of 6400 3mm Fibers X 2 Quarts A and B

12-Wire Trunk Connections with High Density Hot Plug MTP / MPO

Supplier Rooms with 1Km Underground Fiber Access in Environments A and B

IT Room 2 30% Total Progress 100% Civil Works finished

Fire Suppression
Novec 1230 3rd
Generation

SIEX
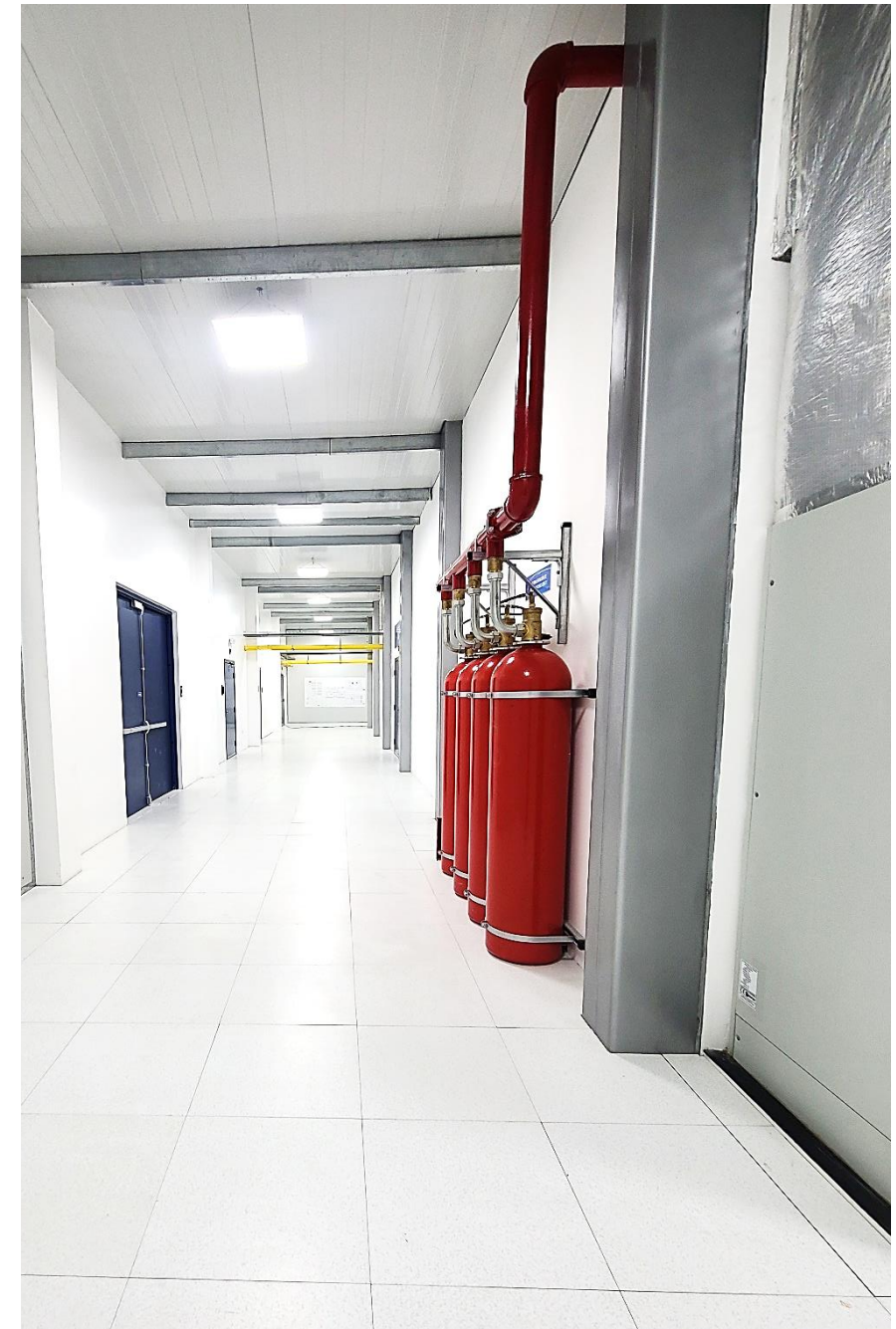
Air conditioning 10 teams of 103 Kw in environments A and B

Air Conditioning Protected Equipment in Environments A and B

Power Rooms ABB Panels in Environments A and B

ABB

Monitorable ABB Equipment in Environments A and B
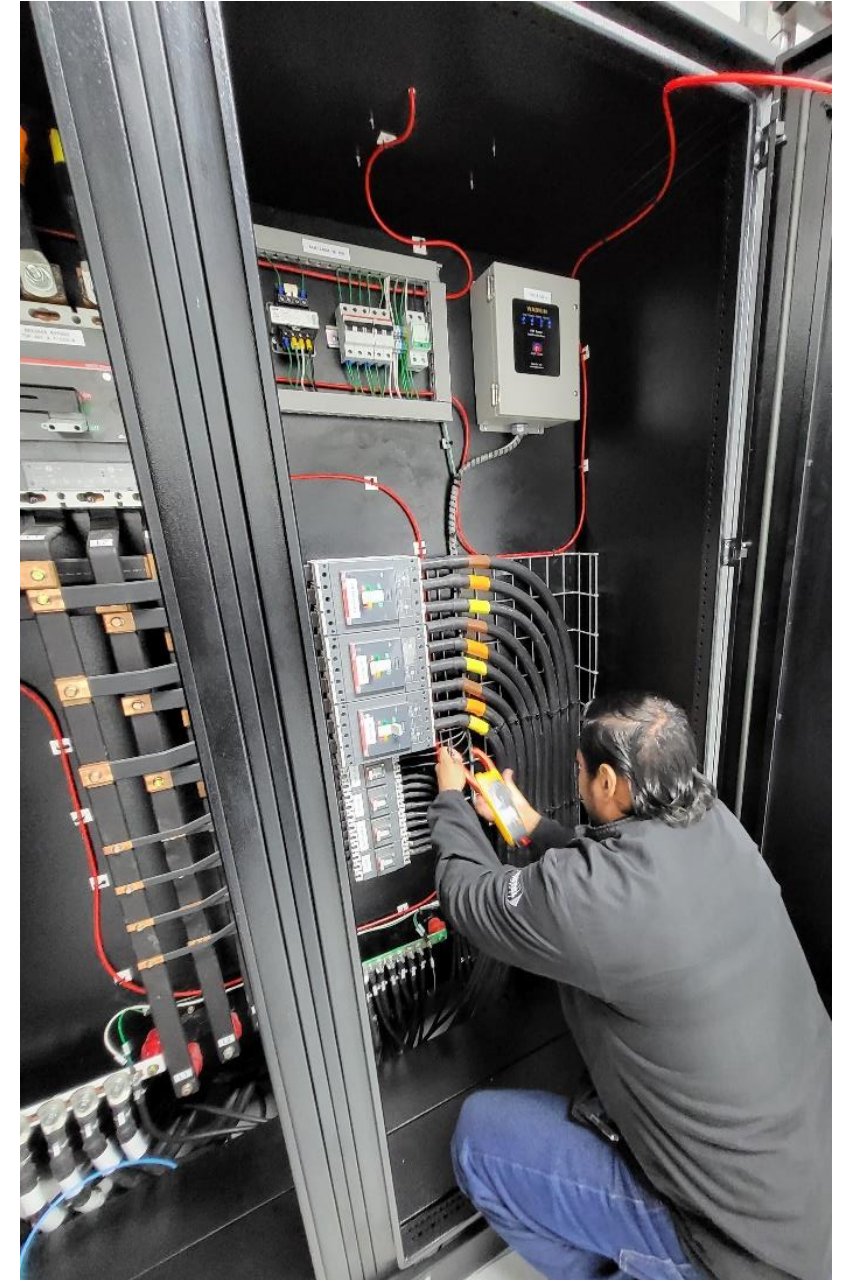
2 x 500 KVA ABB UPS Rooms and 1000 Amp Rectifiers in Environments A and B

ABB

ABB Scalable, Manageable and Redundant Equipment
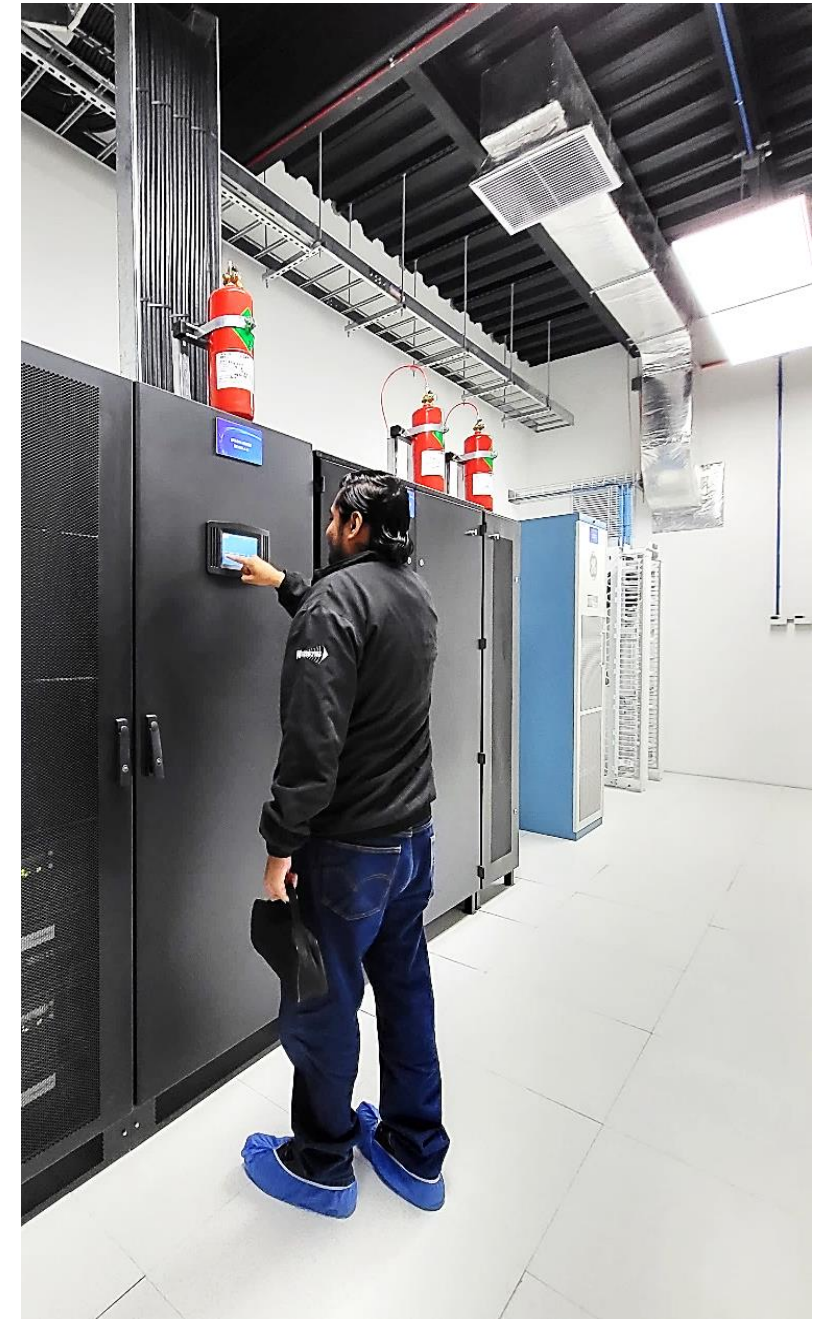
Inrack / Power Implementation Schematic

SERVIDOR

PDU Vertical INRACK MDU-ST1-A1-1-R-AE4

PDU VERTICAL INRACK MDU-ST1-B1-R-AE4

SWITCH

TABLERO MDU-ST1-A1-1

TABLERO MDU-ST1-B1-1

ATS PDU

Power Source A

Power Source B
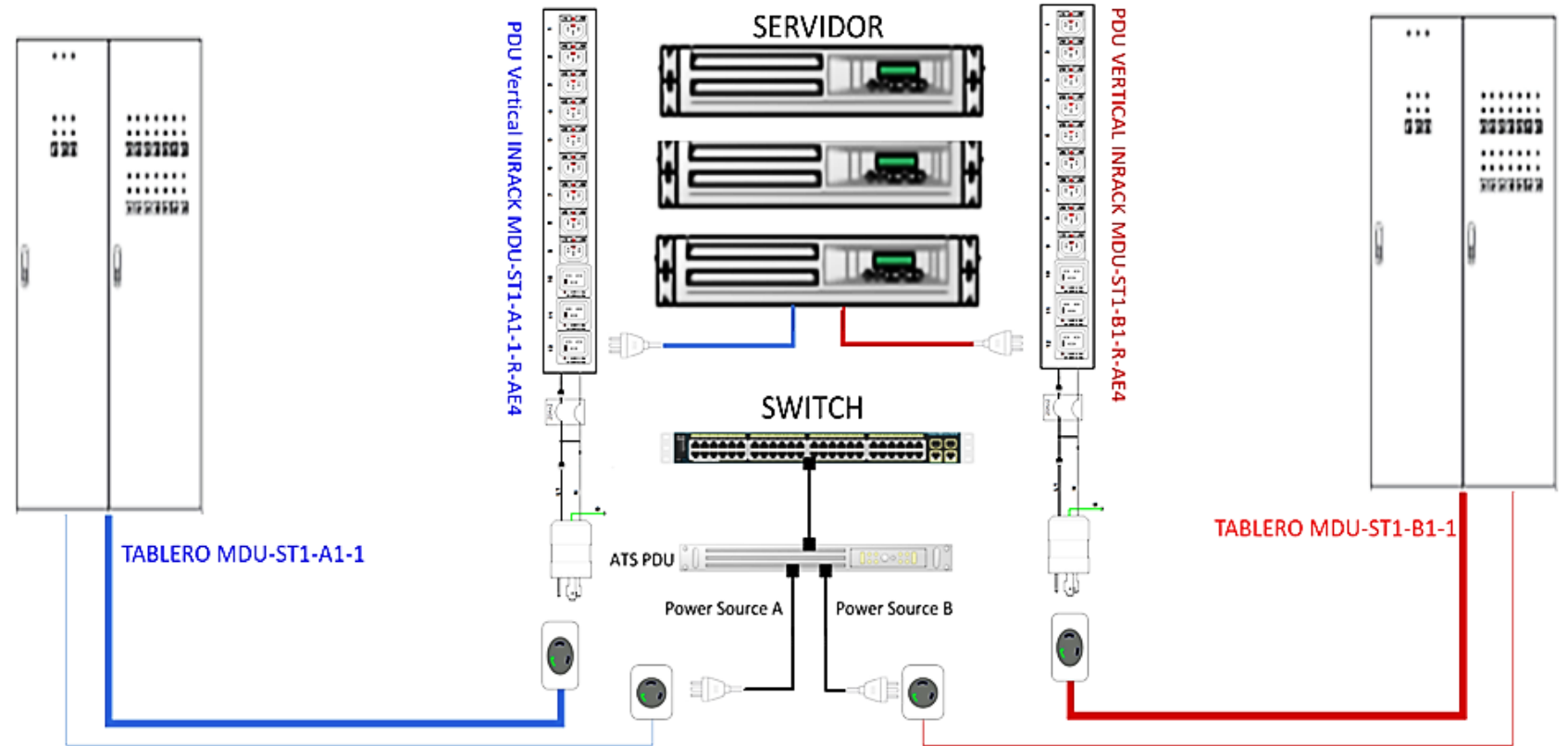
SERVIDOR DE DOBLE FUENTE Y SWITCH DE 1 FUENTE

Generators of 807 KVA Himoinsa, with Synchronism

HIMOINSA®
THE ENERGY

Total Autonomy with High Power Generators

Total Autonomy with High Power Generators

Señal de control

GENERADOR- F1-A1
3P-1000

GENERADOR-F1-A2
3P-1000

GENERADOR-F1-A3
3P-1000

TD-SINC-A
3P-1200
3P-800

ATS-A-01 480-277V
ATS-A-02 480-277V

GENERADOR-F1-B1
3P-1000

GENERADOR-F1-B2
3P-1000

GENERADOR-F1-B2
3P-1000

TD-SINC-B
3P-1200
3P-800

ATS-B-01 480-277V
ATS-B-02 480-277V
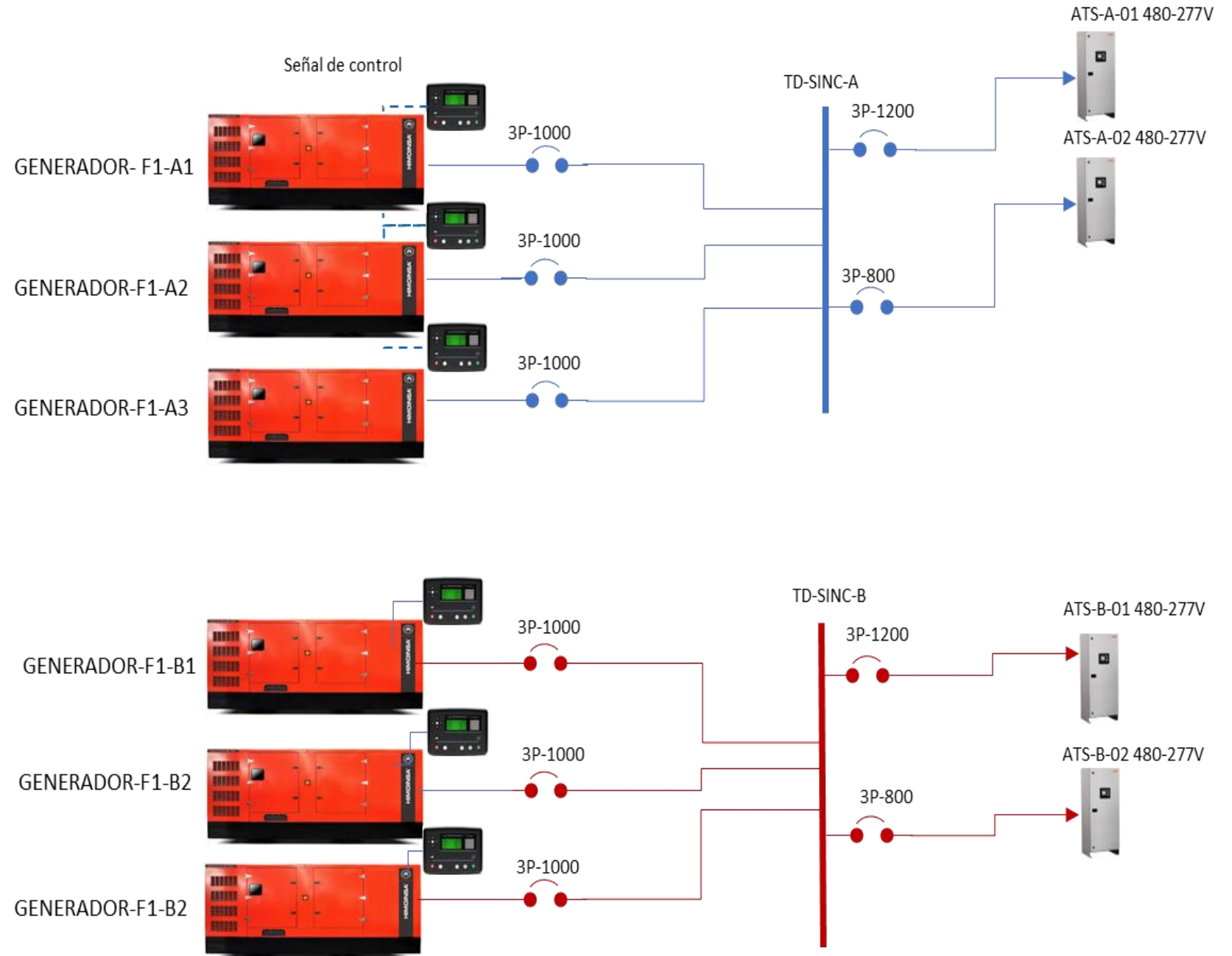
Active and Passive Operation Scheme

GENERADOR—A-1
588 KW- 480V

GENERADOR—A-2
588 KW- 480V

GENERADOR—A-3
588 KW- 480V

POTENCIA TOTAL   1454.73 KW

ACTIVO LADO-A   PASIVO LADO-B

TI1-PAC-A1-1   TI1-PAC-A1-2   TI1-PAC-A1-3   TI1-PAC-A1-4   TI1-PAC-A1-5   TI1-PAC-B1-1   TI1-PAC-B1-2   TI1-PAC-B1-3   TI1-PAC-B1-4   TI1-PAC-B1-5

TI2-PAC-A2-1   TI2-PAC-A2-2   TI2-PAC-A2-3   TI2-PAC-A2-4   TI2-PAC-B2-1   TI2-PAC-B2-2   TI2-PAC-B2-3   TI2-PAC-B2-4
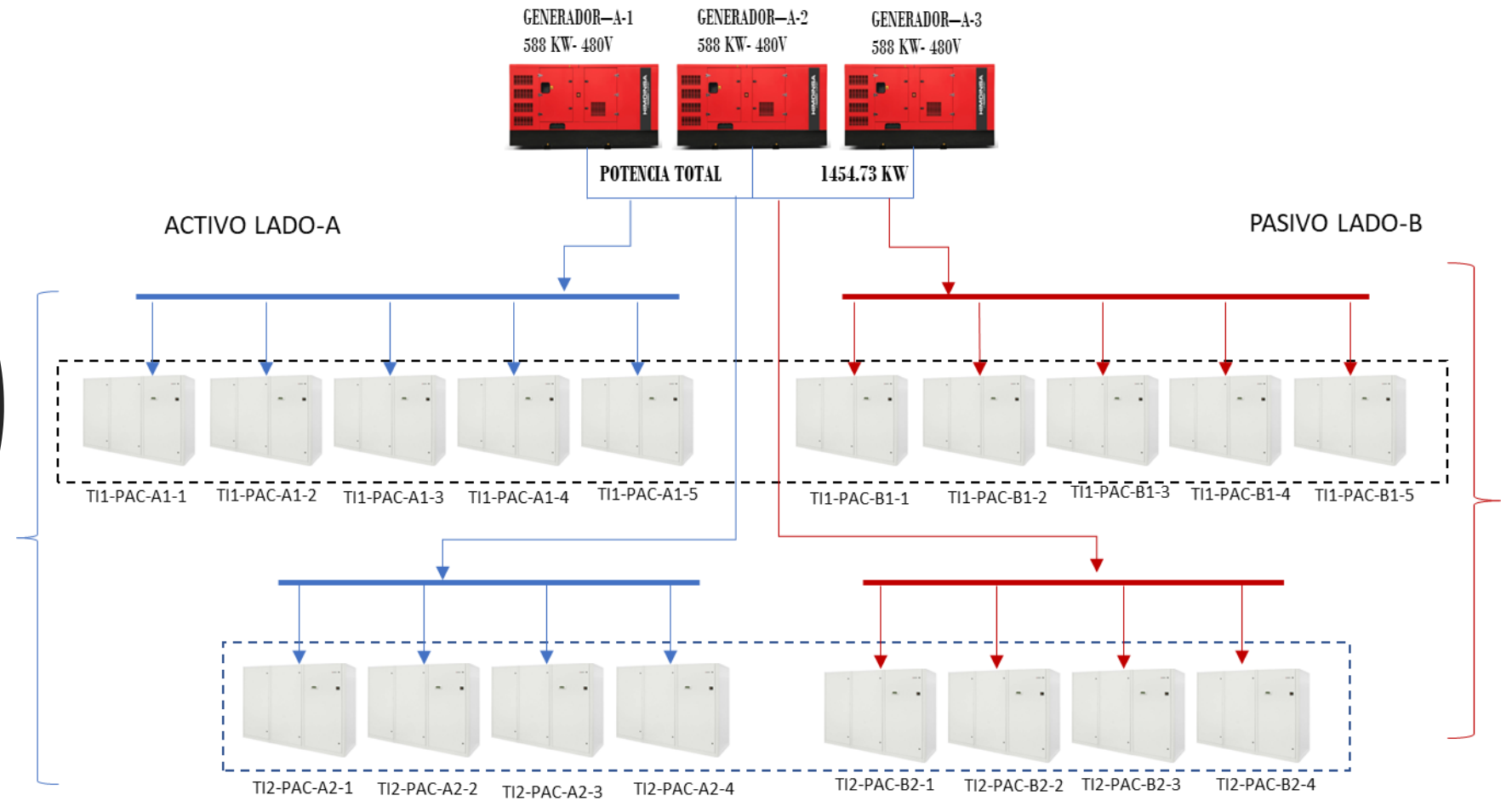
Electrical Sub Station with a capacity of 7,500 KVA

- Own Electrical Sub Station with large reserve capacity for customer growth.

Transformers
with
2 x 2.5 MW

Electrical Panel Rooms in Environments A and B

Equipment Preparation Room and Coworking
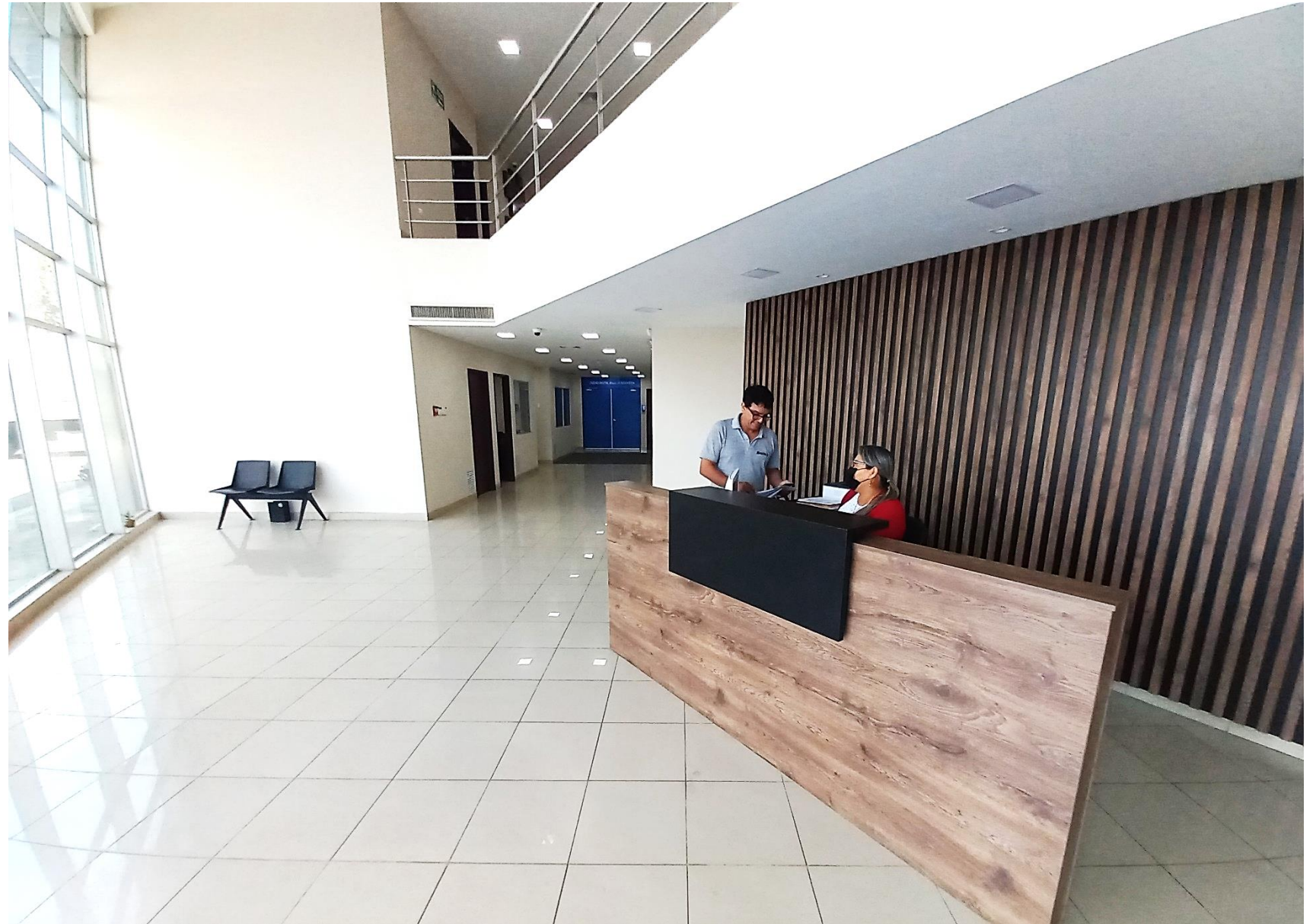
Data Center
Offices

Data Center Meetings

Storage warehouse

- Control, Inventory and Monitoring of equipment, from the moment they enter the organization until the delivery to the internal user or end customer

Commercial Visit Income

Commercial Lock Entry

Technical
Lock
Entrance

Commercial area parking

- Double parking area for commercial visitors and end customers.

- Constant communication with administration, reception and private security company.

Technical area parking

- Ample parking spaces, entry of equipment and stay of the client's technical personnel.

- Access controls by communication of 3 checkpoints and internal armed mobilization.

Physical and Logical Security

- Private Company with 24x7x365 Service Points, Triple security control, reports and strict controls on entering the Data center and offices.

- Restricted access control with facial recognition biometrics to IT rooms and fingerprint access to each data center area.

- The control begins from the entrance of the vehicle to its exit.

NOC

- 1st Level support with national coverage.

- Focused on quality customer service.

- First attention filter and personalized solution.

- Scaling with second level areas: Commercial, VIP Support, Climate and Force, GIS, SOC, Networking, OTM, Data Center.

Level 2 Support

- VIP engineers. More than a dozen certified engineers on CISCO, Huawei platforms, with attention to mass attention problems.

- Pre-sale attention and second level support to customer accounts, Data Center Support.

GIS and SOC

- GIS: Administration of new last miles and relocations, coordination of crew work nationwide

- SOC: LATAM Cyber Security Office, attention to projects, implementations and support of logical security solutions.
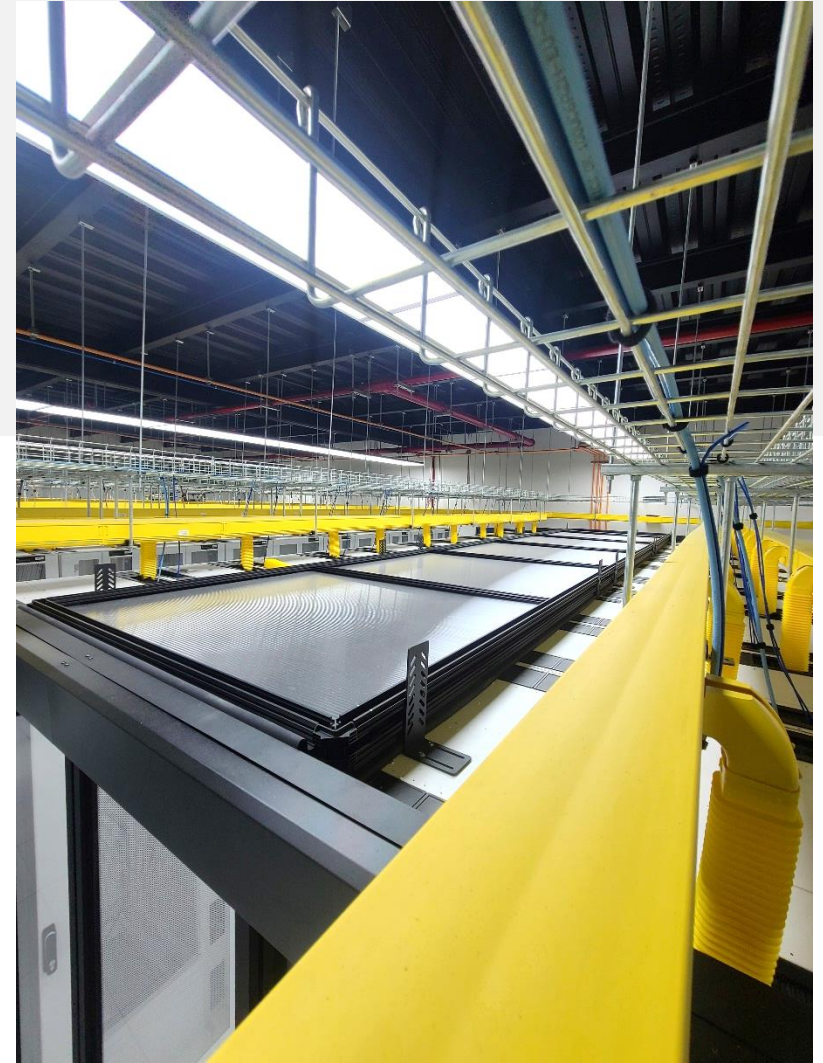
Networking OTN

- 3rd level support.

- Administration of DNS Applications, CGNAT, CDNs, Routing, IP Networks, Transmission Networks, New projects and specialized support.

Electricity and air conditioning

- Data center infrastructure support and Node support coordination

- Specialists in Climate and Force.

OUR DATA CENTER **IS UNIQUE TO HELP YOU IN YOUR DIGITAL GROWTH.**

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W: www.ufinet.com/colocation