

ZETTA

DATA CENTER COMPLEX



*Tried and tested **efficiency.**
Real savings in operation
and investment, in the best
free zone of Americas.*

***24 rooms of white area
for your Edge Datacenter.***



ZETTA DATA CENTER COMPLEX.

WHERE YOU CAN
INCREASE YOUR
OPERATION
MARGIN BY **30.6%**

- PUE of 1.4 at full load
- TIER III certification in design and construction
- 49,083 sq. ft of available white area
- 7.3 MW total electrical capacity
- Continuous Cooling System
- Double energy supply
- 24 rooms of white area for your Edge Datacenter
- 4 stages (modular and scalable)

New Data Center Complex is located in Zona Franca Bogotá, the best for the Americas and 4th in the world, according to fDI Global Free Zones of The Year 2019, a Financial Times Magazine.



In the last 3 years ZONA FRANCA BOGOTÁ received awards for the development of its facilities, processes, services, applied technology and amenities for the deployment of technology, services, logistics and industry activities from various world-class organizations and specialized publications.

FDI MAGAZINE'S REVIEW



“Zona Franca Bogotá has been named the leading of free zones for the Americas. In 2018, more than one-quarter of all companies in the zone were multinationals, from a range of industries including business, IT and knowledge process outsourcing, data centre services and the industrial sector.

The zone has launched a portfolio of consulting and training programmes aimed at strengthening the competitiveness of companies in Zona Franca Bogotá and other free zones. Through its Unifranca educational alliance with seven universities and the National Learning service, 24 titled training programs are offered as well as the ZFB Bilingual programmes and more than 2500 people are trained in areas including updating tax, logistics and foreign trade issues.

Employees in the zone also have access to the “Routes Your Zone” shared mobility programmes and a wellness center, which features a gym and leisure classes. In terms of sustainability, the zone forms part of the steering committee of the local network of the UN Global Compact in Colombia.”



ZETTA DC INNOVATIONS



- 49,083 sq. ft of white area distributed in rooms of smaller modules preventing inefficiencies typical of larger white areas that take longer to reach full occupancy.

- Electrical distribution in three independent busses, redundant distributed architecture, allowing reaching 66.6% loading levels without losing redundancy, increasing technical efficiency and optimizing investment.

- Continuous Cooling System which allows maximum temperature control and humidity stability, conserving environmental conditions for white areas, regardless of power outages.

- Building designed with low energy consumption materials and maintenance.



**Reference images*

AGGREGATED VALUES AT TIER III RATES

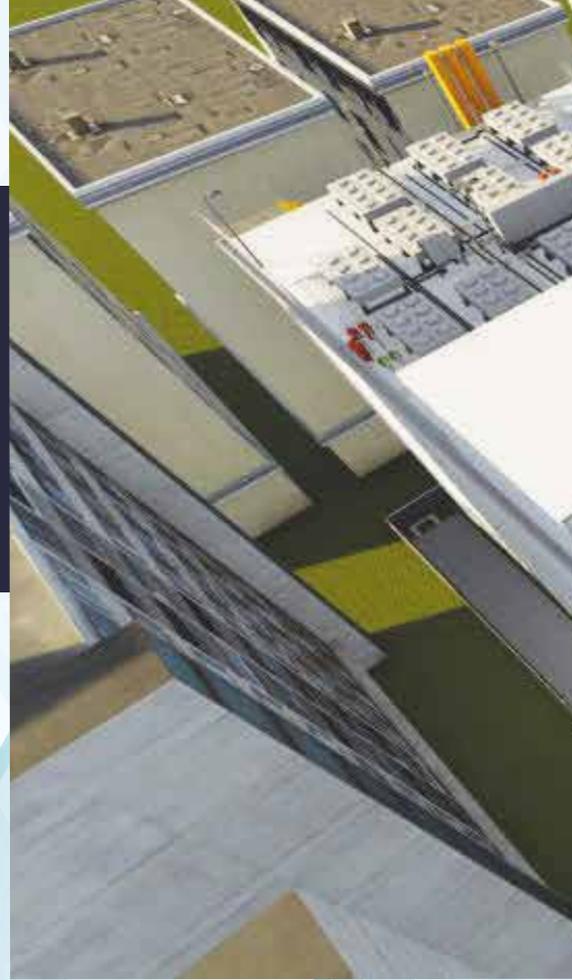


CHARACTERISTICS

- Active components that support the IT load*
- Power supplies*
- Concurrently maintainable*
- Building*
- Compartmentalization*
- Capacity for Continuous Cooling*

TIER III	TIER IV	ZETTA DC
N + 1	N after failure	N + 1
1 active + 1 alternate	2 active	1 active + 1 alternate
YES	YES	YES
Exclusive for DC	Exclusive for DC	Exclusive for DC
NO	YES	NO
NO	YES	YES

TECHNICAL SPECIFICATIONS ZETTA DC



CHARACTERISTICS

- 104,819 sq. ft of built area.
- 49,083 sq. ft of available white area.
- 4 stages (modular and scalable).
- 24 rooms of white area each with 2,045 sq.ft and electrical capacity of 304 KV.
- Modules with a capacity for 76 racks and 4 KV per rack.
- 7.3 MW total electrical capacity.
- TIER III certification in design and construction.

ENERGY

- High efficiency redundant power system, two different power supplies for each module.
- Designed with highly efficient technologies that allow reaching a level of PUE (Power Usage Effectiveness) of 1.4 at full load.
- Availability of UPS with 12 minutes autonomy energy support for the IT load of the datacenter.
- Power plants with 24 hours fuel autonomy for of continuous operation with two independent fuel supply routes.
- Dairy tanks for fuel to supply power plants with minimum support of 12 hours of continuous operation.



**Reference images*

REFRIGERATION

- Cooling system in n + 1 mode complying with TIER III standards of the Uptime Institute.
- Free cooling technology takes advantages for Bogotá's location, achieving high levels of efficiency in energy consumption.
- Modular growth that allows to activate each IT area independently.
- Design that supports rack with consumption of up to 10 KW.

DETECTION AND EXTINCTION

- A fire detection system according to international standards.
- Fire extinguishing system in white area with a clean agent (leaves no residue on the equipment after activation).





INVESTMENT INCENTIVES (FREE TRADE ZONE)

- 0% VAT payment and no duties for imported goods, equipment and supplies.
- 0% VAT payment and no duties for goods and equipments purchased in Colombia.
- 20% single income tax rate.



REDUNDANCY AND HIGH ENERGY EFFICIENCY

Scalable growth model that allows to quickly reach efficiency in energy consumptions (areas of 2,045 sq.ft white space and 304 KW available).

Double energy supply

- Local energy supply (Voltage levels 34.5 KV)
- Diesel power plants supporting 100% of the operation of the datacenter.



LOWER COSTS IN ENERGY FEES

14% savings in energy rate, thanks to the energy agreement negotiation of Zona Franca Bogotá.



SCALABILITY

Modules dimensioned to meet customers need in terms of space and energy.



COMPETITIVE RENTAL FEES

Due to optimal investment execution, allocating only what is needed in phases.



OPTIMAL CONNECTIVITY LEVELS

Get higher quality, better rates, more competitiveness and lower latency.



4 Submarine cable nodes: Telefónica, C&W Networks, Globenet, Century Link.

14 Broadband providers: Internexa, BT, ifx, ETB, Claro, TigoOne, MediaCommerce, Avantel, Ufinet, Azteca, Telefónica, C&W Networks, Globenet, CenturyLink.



HIGH SECURITY LEVELS

Reliable security standards.



Common areas and perimeter ring guarded by closed circuit TV.

Double perimeter fence with motion sensors.

Automated registration system and controlled access of pedestrians and vehicles.

100% Availability of surveillance personnel (24/7/365).



EFFICIENCY AND RELIABILITY IN MISSION CRITICAL OPERATION

Datacenter with constant optimal levels of operation.



Historical service levels have been at 100% since datacenter operations started.

Operated with high quality standards and qualified and certified people by ZFB Technologies.

Successful results in external audits and those request by our clients.





ECOSYSTEM FOR SERVICE AND TECHNOLOGY COMPANIES

*Zetta DC is located in Zona Franca Bogotá.
The 4th Best Free Zone of The World.*



- Easy access to specialized technical support from local and multinational companies.
- More than 28 services companies (KPO, ITO, BPO) that generate 13.300 jobs operate within the Free Trade Zone.
- Zona Franca Bogotá has been recognized for 3 consecutive years by fDI Intelligence division of The Financial Times as the Best Free Zone of the Americas specialist in services (BPO, KPO, ITO).



Access and development of human talent

- Located close to neighborhoods with a population of 1'5 million people within a 3 km radius.
- Universities inside the Free Trade Zone with 24 academic programs including english as second Language, allowing employees to enjoy up to 33% discount while studying.
- Free access to Zona Franca Bogotá employment portal with more than 36,000 CV's registered.

Sustainable development

- User network to improve and generate good labor practices.
- Recycling programs.

Network of complementary services that facilitate day to day

- Corporate transportation system for transfer of park employees, to and from free trade zone.
- Hotel with 84 rooms.
- Fire station.
- Auditoriums, training and computer rooms, theater.
- Banking offices, ATMs, payment points.
- Multiple food courts.
- Supermarkets and drugstores.
- Beauty salon.
- Medical center and ambulance.
- Gym and wellness center.

MORE THAN 73,194 SQ. FT. OF WHITE AREA

Grupo ZFB has built 4 datacenters certified by The Uptime Institute

2009

Customized data
Center with 10,764 sq. ft. of white area.

2011

DC L38 I
3,660 sq. ft. area TIER III Certification in design.

100% Occupation by british multinational telecommunications Company.

DC L38 II

3,660 sq. ft. area TIER III Certification in design.

100% Occupation by spanish multinational telecommunications company.

2014

Data center ZF Towers L16A I

3,660 sq. ft. white area TIER III certification in design and construction.

100% Occupation by spanish multinational telecommunication Company.

Data center ZF Towers L16A II

3,650 sq. ft. white area TIER III certification in design and construction.

100% Occupation by colombian multinational telecommunications company.

2020

NEW ZETTA DC

Complex under development.

49,083 sq. ft. white area.

TIER III Certification in design and construction.

GRUPO ZFB EXPERIENCE

- More than 22 years of experience in the development of competitive environments for businesses: free trade zones, industrial and service parks, infrastructure for logistics, industry, services and technology.

- Leaders in the operation of free trade zones and experts in the free trade zone regime model.

- B.P.I. certification of good practices and innovation awarded by Icontec International and the Chamber of Commerce of Bogotá.

- Specialist in infrastructure construction for data center and mission critical operation.

- More than 4,305,563 sq. ft built in infrastructure for companies.

- Members of the United Nations Global Compact committed to sustainable development.

ZETTA

DATA CENTER COMPLEX

Mobile: (57) 310 274 9584 / Bogotá: (57-1) 404 6644 Option 2
01 8000 423 621

www.grupozfb.com / www.zftowers.com

Bogotá - Colombia