

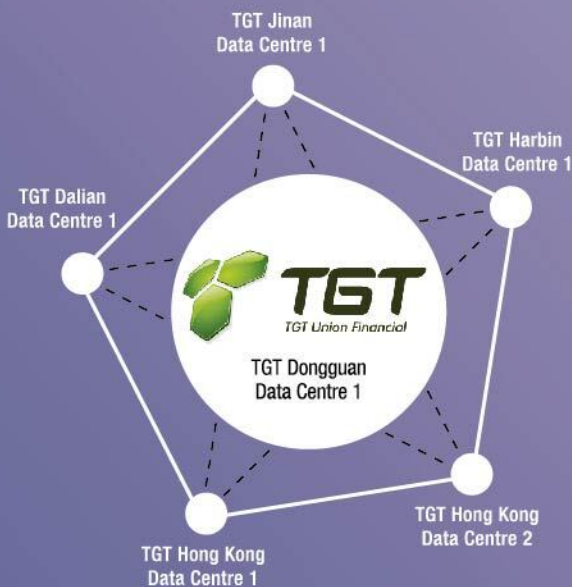


## About Us

TGT Union Financial Data Service (Dongguan) Co., Ltd. (TGT Dongguan) is co-founded by Towngas Telecommunications Co., Ltd. (TGT) and Shenzhen Financial Electronic Settlement Centre.

TGT, one of the fixed-line service providers in Hong Kong, is a wholly owned subsidiary of Hong Kong and China Gas Co., Ltd. (Towngas). Towngas has been providing services in Hong Kong for over 150 years with an indisputable reputation for its pragmatic approach to quality services.

Shenzhen Financial Electronic Settlement Centre is the first of its kind in Mainland China approved by the People's Bank of China Head Office and the Organisational Structure Committee of Shenzhen. Currently, it is a core hub for the fund settlement between Shenzhen and other Mainland China cities and provinces, including Hong Kong and Macau, holding a leading position in terms of the amount of fund handling in China.



## About the Data Centre



Total Floor Area:  
2,200m<sup>2</sup>



Total Construction Area:  
11,000m<sup>2</sup>



Infrastructure Standard:  
TIA-942 Rated 3+



Total Capacity:  
2,000 Server Racks



## Certification



ISO 9001  
Quality  
Management

ISO/IEC  
20000-1  
Information  
Technology Service  
Management

ISO/IEC  
27001  
Information  
Security  
Management

## Power System

- PUE energy consumption indicator  $\leq 1.63$
- Dedicated 10KV high-voltage dual power feed from 2 independent substations
- Power supply capacity of each substations is 12,000 KVA
- UPS system with 2N redundancy, capable of up to 30 minutes operation for each system at full load
- Diesel Power Generator System with N+1 redundancy
- Underground fuel storage that can power generators for up to 8 hours
- Located only 1km from the oil depot, bound by a fuel supply agreement

## Security System

- Very Early Smoke Detection Apparatus to locate fire and detect smoke
- IG541 INERGENI Gas Fire Suppression System which is environmental-friendly
- 7x24 security personnel on patrol and comprehensive surveillance
- Intrusion Detection System and Infrared Detecting System
- Finger Vein Authentication System

## Network Advantage

As an excellent carrier-neutral telecommunications service provider, TGT has several Rated 3+ world-class data centres and provides network infrastructure services with international standards both in Hong Kong and Mainland China, forming an integrated data centres network. With such cross-border advantages, professional data management and efficient network facilities, simultaneous connection is available between Hong Kong and Mainland China. TGT is able to provide customers with a comprehensive operation management and quality services. TGT Dongguan enjoys a unique geographical advantage as the first of its kind in Mainland China.

## Cooling System

- Data hall temperature is maintained at  $23\pm 1^{\circ}\text{C}$  and humidity at 40-55%
- Underfloor air supply and top air return
- CRAC with N+1 redundancy, 2N power supply
- Low-temperature water chiller system with ringed network of pipes and physical separation of both paths
- Oil free water chillers for energy conservation and environmental protection
- 6 cold water storage tanks used to avoid data hall temperature exceeding  $6^{\circ}\text{C}$  within 15 minutes during interruption
- Equipped with an 880m<sup>3</sup> reservoirs to ensure over 48 hours of contingent water supply

## Carrier-Neutral Data Centre

- Access allowance from multiple major telecommunication carriers, including China Mobile, China Telecom and China Unicom, as requested by customers
- Data centre backbone with 2N redundancy

## Contact Us

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深圳金融电子结算中心  
SHENZHEN FINANCIAL ELECTRONIC SETTLEMENT CENTER