

Tank Data Online

Atlanta, GA
Internet Data Center



Last Update: 01.04.2013

Tank Data Online Internet Data Center

Network Architecture

- The Tank Data Online Internet Data Center Has Redundant Dual Uplinks Directly Connected to a Global IP Backbone
- Designed For Flexibility To Meet Networking Requirements
- Minimum N+1 Redundancy Factor on all Critical Infrastructure Systems
- Multiple Local Carriers Available For Customers Private Connectivity



Tank Data Online Internet Data Center

Security

The Tank Data Online Internet Data Center is Located Within a Hardened Facilities Protected by Multiple Security Measures:

- 24x7x365 On-Premise Support
- Continuous Closed Circuit Video Surveillance
- Security Breach Alarms
- Electronic Card Key Access
- Biometric Palm Scan and Individual Personal Access Code
- Secured Cage & Cabinet Environment



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Fire Detection & Suppression

Very Early Smoke Detection Apparatus (VESDA)

- State-of-the-art active laser air sampling system
- 100 times more sensitive than conventional fire detection systems
- Configured to generate multiple alarms to provide the time needed to help minimize or prevent loss from fire

Conventional Smoke and Heat Sensors

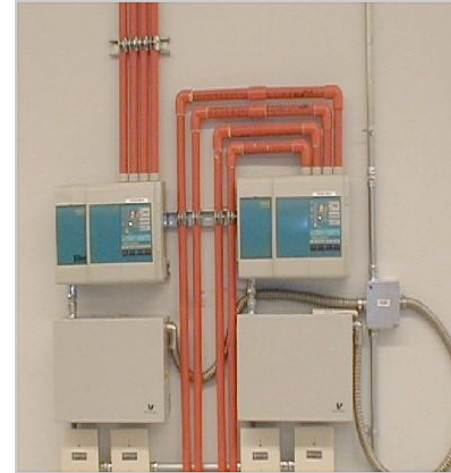
- Cross-zoned throughout the center on the ceiling, below the raised floor area, top of CRAC units, UPS rooms, etc...

Fire Extinguishers

- Located on the center floor for human intervention

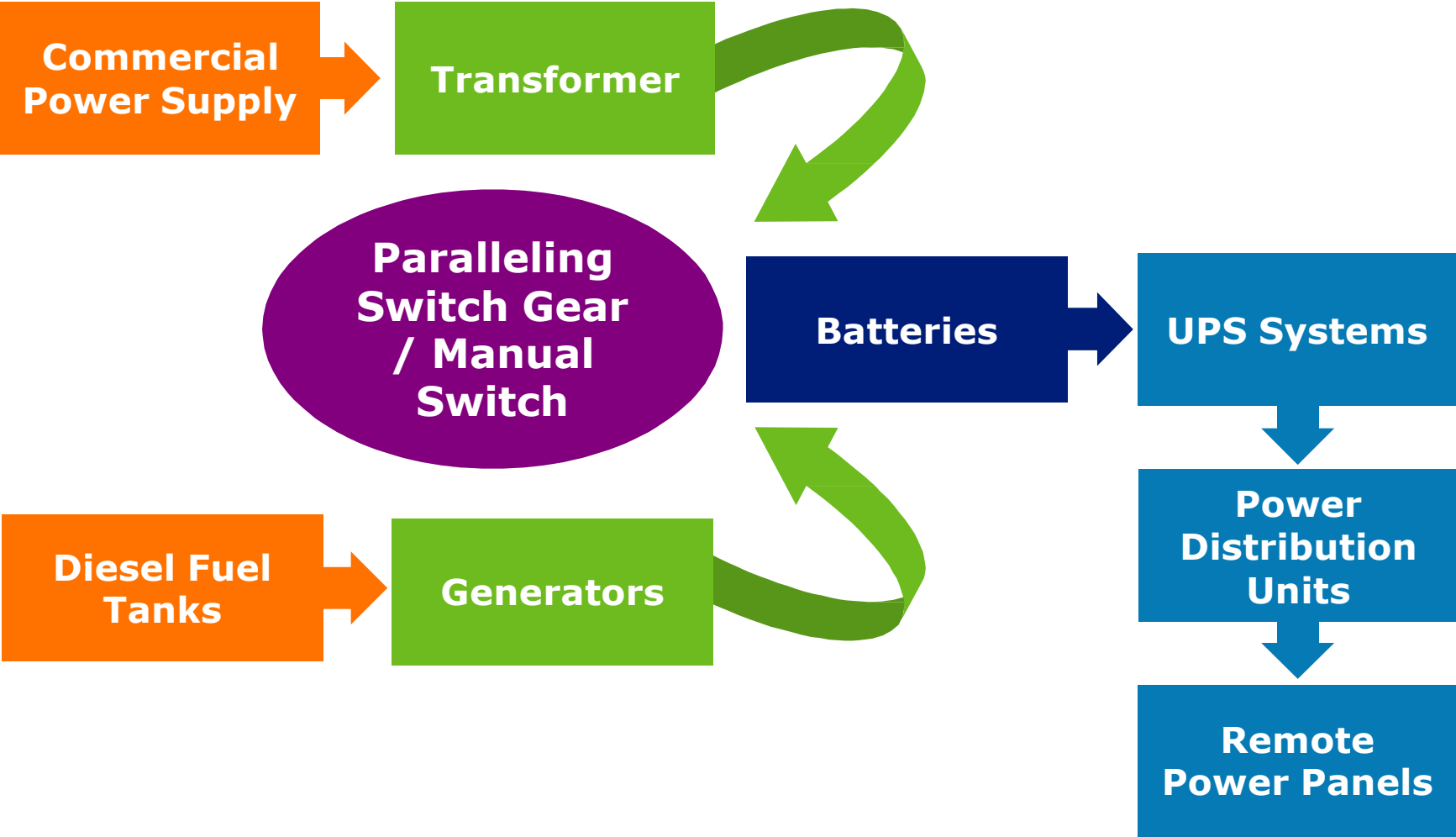
Pre-Action Dry-Pipe Fire Suppression System

- Water not stored in pipe
- Easier to control, more effective, and less harmful to equipment than chemical alternatives



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Power



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Power



Commercial Power Feeds

- 1 Commercial Feed Each At 12,470V
- Located Near Substation
- All Cable Routed Underground for Protection

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Power



Emergency Power Switch

- Paralleling Switch Gear
- Automatically Powers Up All Generators When Commercial Power is Interrupted for More Than 15 Seconds; Generators are Shed to Cover Load As Needed; Typical Transition Takes 60 Seconds
- Manual Override Available to Ensure Continuity if Automatic Start-Up Should Fail

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Power



Batteries

- Two (2) Battery Rooms Support The UPS Systems
- Each Battery Bank Contains Gel Cell Batteries Per UPS Module
- Fifteen (15) Minutes of Battery Backup Available At Full Load (I.E. 90 Watts/Square Foot)
- Battery Bank Testing Machines Continuously Monitor Each Battery Bank To Ensure Optimum Operating Availability

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Power



Uninterruptible Power Supply (UPS)

Eliminate Spikes, Sags, Surges, Transients, and All Other Over/Under Voltage and Frequency Conditions, Providing Clean Power to Connected Critical Loads

- Two (2) Separate UPS Systems (N+1 Redundancy)
- Each With Four (4) 600kw/750kva Modules= 8 Modules

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Power



Back-up Power – Generators and Diesel Fuel

- Four (4) 2,000kw Diesel Generators (N+1 Redundancy) Providing Standby Power
- Three (3) 20,000 Gallon Underground Diesel Fuel Storage Tanks