

## Hawaii's Premier Data Center & Digital Hub

DRFortress is Hawaii's largest carrier-neutral data center and cloud computing services provider. DRFortress delivers a resilient, economical and scalable solution for any vital infrastructure allowing businesses the flexibility to evolve their data center, cloud computing and network strategies on an as-needed basis.

DRFortress' network-neutral environment allows a business the unique ability to access multiple carriers and ISPs facilitating cost-effective, redundant IT solutions.

DRFortress' data center is conveniently located at the Airport Industrial Park, roughly 5 miles from Honolulu's Central Business District. The data center is equipped with the highest level of physical security, redundancy, and multicarrier/diverse fiber paths to ensure tenants enjoy unparalleled performance and reliability with their collocated IT infrastructures over the long term. The facility has been significantly hardened against earthquakes and hurricanes and is engineered with advanced and redundant electrical and cooling systems designed to support dense server and storage environments. The DRFortress facility resides well outside the Island's flood and tsunami evacuation zones, as well as the new extended or "extreme" tsunami evacuation zones, ensuring your mission-critical data and systems are well-protected and your business' IT operations continue uninterrupted in the event of an emergency or natural disaster.

### The DRFortress Advantage

- 24/Forever Security
- Operational Excellence
- Carrier Choice
- Scalability
- Efficiency
- Strategic Flexibility
- Exceptional Reliability

## Services



- Colocation services (¼, ½ and full cabinets; private cages and suites)
- DRF*exchange* - Internet exchange for public peering
- DRF*backup* (Cloud Backup) solutions
- DRF*compute* (Cloud Computing) solutions
- DRF*storage* (Cloud Storage) solutions
- CloudConnect
- Remote assistance 24x7x365

## Building



- 55,000 square feet
- Capacity up to 600 cabinets
- Accessible 24 hours per day/7 days per week/365 days per year
- Outside of tsunami and extreme tsunami evacuation zones
- Outside of known flood area (Zone D)
- Outside of storm surge/river/valley/delta/canal affected areas
- Densest carrier mesh
- Able to handle hurricane winds; Exterior walls rated for CAT 5 (180 windspeed); Structure strength can withstand CAT 5
- Reliable utility grid with primary & protect feeds from separate transformers
- Meets current earthquake building code specifications (no "grandfathering") for potential earthquakes

## Power



- 120V, 208V, 208V 3P, 480V 3P and -48VDC power solutions available
- 4.2 Megawatts of on-site power with minimum N+1 configuration
- Fully redundant power systems from generator to power strips (UPS, PDUs, Breaker Panels, and CDUs)
- 3x 1 MW backup generators (N+1) for critical load
- 2x 600kW generators (N+1) for mechanical load
- 1.5 MW UPS (2N)
- 2N Diverse DC plants, with BDFB distribution
- 15,000 gallon total above-ground fuel storage including a 10,000 gallon concrete embedded fuel storage tank
- Current facility runtime without refuel ~8 days supply
- Power yards are enclosed with concrete-filled deep set steel bollards protected security fencing
- IEEE/Telcordia compliant facility grounding
- Fuel priority as part of the Telco/Utility Group, DHS and FEMA backup, and Financial, Medical, Airlines, and more

## Environmental



- 500 watts per square foot to 22° Celsius (71.6° Fahrenheit) ± 3 degrees
- Humidity controlled to 50% ± 20%
- 3x 210 ton chillers (N+1)
- N+1 CRAC/CRAH/In-row cooling HVAC systems
- Self-contained and sealed chill water and gas HVAC systems to remove external water requirements
- Clean agent (FM-200) zoned fire suppression and handheld extinguishers
- Pre-action, double interlock dry-pipe system, zoned
- Fire and smoke detection sensors and equipment
- Hurricane-rated, steel-wall protected, custom cooling platform w/minimally exposed piping
- Water diverting internal sub-roof



## Security

- On-site, fully staffed security 24x7x365
- Multi-layer access control with affirmative in-person ID check, biometric access & "digital fingerprinting", and cabinet/cage level combination/card lock access
- Multi-level iris recognition access control
- Real-time customer portal for physical access control management
- Automated Building Management System (BMS)
- State-of-the-art monitored CCTV surveillance with digital video camera systems with minimum 90 day retention
- Biometric authentication/digital fingerprinting "on the move"



## Cabling

- Secure, overhead cable tray management system with multi-tier ladder racks
- Separate and protected fiber guide systems for MMF and SMF cables
- CAT 5E/6 UTP, and coaxial cable connections
- DSX-1 cross connect system provides for T1, ISDN-PRI connectivity

# Safe Zones

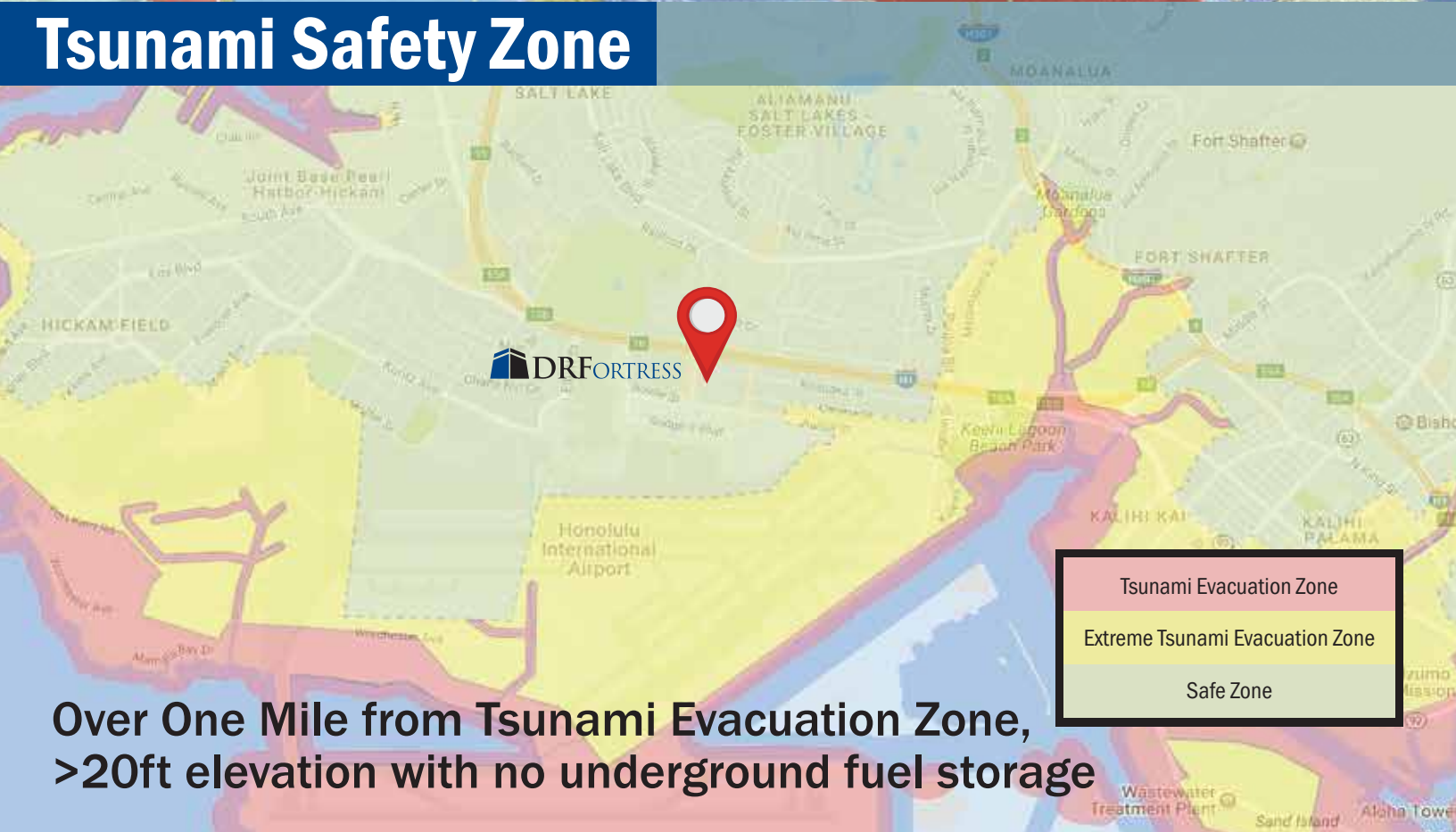


- Located well within designated “Safe Zones”; Safeguarded against the impact of flood, tsunami, and other natural disasters

## Flood Safety Zone



## Tsunami Safety Zone



# Telecommunications

- Carrier-neutral facility
- Diverse fiber access entry points
- The only commercial Internet exchange in Hawaii
- Multiple carriers and ISPs are available including:
  - AT&T
  - CenturyLink (formerly Qwest Communications, Level3, twTelecom)
  - GTA
  - Hawaiian Telcom
  - HDT
  - Hurricane Electric
  - Luhina
  - OPT
  - PacWave Telecommunications
  - Pacxa
  - Sandwich Isles Communications
  - Spectrum (Charter formerly Oceanic Time Warner)
  - Tri-net Solutions

## Certifications

- DCI Certified
- HIPAA Compliant
- PCI Certified
- SOC 1 (SSAE 18), SOC 2, and ISAE 3402 Type II

## Reliability

The DRFortress data center has an average uptime of 99.9997% over the last 15 years. We are confident in our 100% data center uptime service level guarantee, which means you can rely on highly available, uninterrupted service for all your IT infrastructure operations.

## ABOUT DRFORTRESS

DRFortress is the largest and only carrier-neutral data center operating in Hawaii.

Through its world-class data center and comprehensive suite of cloud services, DRFortress assists both local and international companies with maintaining and securing their mission-critical systems and business continuity plans.

A former Equinix facility, DRFortress has been meeting the data center needs of Hawaii's enterprises, content companies, system integrators, carriers, wireless service providers, cable companies and ISPs since 2006. DRFortress is proud to house the densest concentration of IP carriers in Hawaii and the only commercial Internet Exchange in the State.

[www.drfortress.com](http://www.drfortress.com)

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