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# openSIS Cloud Computing Environment

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- » OS4ED has partnered with Presage Technologies, provider of Click2Try.com services to offer openSIS hosted services in the cloud.
- » Together, we have implemented the latest in the virtualization technology without sacrificing simplicity and usability.
- » You will not require a PhD to figure out our hosted service options and features.
- » We tried to make this easy to understand and easy to purchase. Hope you like it.
- » The following slides detail the security and features of our data center.

# Access Control and Physical Security

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- » Co-locator Staff and Network Operations Center: NOC hours 24/7/365. Remote hands are available upon customer request.
- » Level of Access Control: Key card access to Network Operations Center (NOC) and facility, cabinet key and combination locks, plus cage space (per customer request) and 24-hour manned building security.
- » Monitoring/Security: Continuous CCTV surveillance from NOC, key card access, cabinet key and combination locks, plus cage space and 24-hour manned building security. Lakota monitors temperature, humidity, bandwidth, and power.
- » Alarm trigger for compromise of entry points.

# Reliability

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- » Guaranteed Uptime: 99.99%
- » Disaster Recovery and Business Continuity are achieved through a connection to a redundant facility with replication of services at customer request.
- » Dual Center, underground Center Point power grids supply 480 volts through a 1200 amp main breaker. A 750 KW Diesel with a 1200 amp transfer switch provides primary backup power and a 350 KW diesel provides secondary backup power.
- » Operational risks (such as potential service disruption from infrastructure expansion) are mitigated by our multiple layers of redundancy and replication procedures for uninterrupted service.

# Fire Protection and Prevention

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- » Fire Protection: FM-200/dry-pipe pre-action water base system.
- » Multiple Alarm Systems with Alarm triggers for compromise of entry points and exceeding threshold points for power, temperature, humidity, and bandwidth.
- » The facility fire protection is supplemented by the Binz Building water system.

# Communication

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- » Carrier Neutral and Full diversity with multiple demarcation points and full capability ranging from PRI to a 10 GB Ethernet.
- » Lakota manages two Tier I POPs (NTT and Cogent) and is capable of providing “peered” bandwidth for greater redundancy and expeditious routing.
- » Direct US demarcation with Asian Rim. Multiple carriers and WAN Providers.
- » Connectivity to the facility is through 3 redundant fiber connections.
- » Total Throughput: 2 GB – Expandable with multiple 10 GB Ethernet pipes available.

# Facility

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- » Unintentional risks (such as natural disaster and loss of power) are mitigated through building and infrastructure design.
- » The building windows are rated for over winds over 250 mph, with demising walls from floor to ceiling.
- » The Primary generator is mounted 6 feet above street level and secondary generator is roof mounted.
- » Raised floors for cable routing and integrating as part of thermal management.
- » Separated zones within the Facility and cage space available upon customer request.

# Thank You

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***Please direct any questions regarding data and network security to:***

***info@os4ed.com or call 1-281-OPENSIS***