

Coso DATA OASIS

A Resilient Data Center Complex



THE ULTIMATE DATA CENTER BACKSTOP

ADACEN is developing Coso Data Oasis is a Tier IV data center complex with uncommon levels of resiliency. Data Oasis is designed to provide a level of data assurance and operability that legacy data centers are unable to provide. These three major differentiators include:

- PRE-GRID POWER
- ENHANCED SECURITY
- ADVANCED NETWORK CONNECTIVITY

A PRE-GRID POWER SOLUTION FOR EXTENDED OPERATIONS

Coso Data Oasis will be co-located with an existing, 140MW geothermal plant – inside the perimeter of Naval Air Weapons Station China Lake in Ridgecrest, CA. This energy source features a pre-grid, direct connection to Data Oasis, ensuring that customer data is online and operational well beyond legacy fail-point timelines with traditional back-up systems. Customers can customize their data portfolio to a power assurance model that extends for weeks– even months – independent of the grid in a devolved state. Finally, the renewable benefits and on-site cost factors ensure a green energy portfolio – both for the environment and cost savings.

A LOCATION WITH UNRIVALED SECURITY

The Coso Data Oasis will be strategically located at the Coso geothermal site within the secure weapons range of NAWS China Lake – the US Navy’s premier weapons development facility. The Coso Data Oasis is nested on a secure portion of the installation, prohibiting public access. This embedded approach ensures a secure, defensible perimeter that is protected by multiple entities with both active and passive measures.



DIGITAL & PHYSICAL NETWORK CONNECTIVITY

Data Oasis will employ advanced network connectivity – including both terrestrial and space-based networks – but also cutting-edge technologies including out-of-band key transport via quantum safe encryption. The Coso Data Oasis provides dual-airfield access (NAWS China Lake and the adjacent Inyokern Airport) for the air-gapped transport of encrypted data – ensuring an unrivaled ability to transport and store gold-copy data instances in an ultra-secure environment.



Coso Data Oasis Key Facts

ELIGIBILITY

- US Government entities
- US State, Regional, Local entities
- Eligible commercial entities (Eligibility requires USG approval)

POWER

- Dedicated, on-site geothermal energy production (24/7/365)
- Utility grid feed
- Legacy generator back-up

CONNECTIVITY

- Direct access to major carriers, research networks & public cloud providers
- Dual / diverse fiber routes to/from site
- Dark fiber available
- Carrier Neutral
- Up to 40Gbps peering interconnection
- Virtual Meet-Me-Rooms with no cross-connect fees
- 1Gb, 10Gb, 40Gb, 100Gb transport capability to major carrier hotels
- Multiple bandwidth & IP connectivity options, with BGP
- Satellite connectivity (details on request)
- Runway access

CO-LOCATION OPTIONS

- Co-location
- Private Cloud
- Custom Build-to-Suit *
- Powered Shell *
- Office / DR Suites *
- DR Infrastructure *

* Eligibility requirements apply

DATA OASIS KEY DETAILS

- Tier IV
- Immersion-cooled server infrastructure (low water use, favorable PUE)
- Fire detection & suppression
- Enhanced security apparatus
- Customer Support Center (CSC) staffed 24/7/365
- ADACEN Information Management System (AIMS) - used to track / monitor trouble tickets, deliveries, and work projects

WHY COSO?

- Strategic location within the perimeter of a US Navy facility
- Located under Restricted Airspace – Surface to unlimited altitudes
- Continuous pre-grid energy (renewable) at the source
- Extreme, remote location devoid of public accessibility