



APPLIED DIGITAL

Company Overview

January 2024



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APPLIED DIGITAL

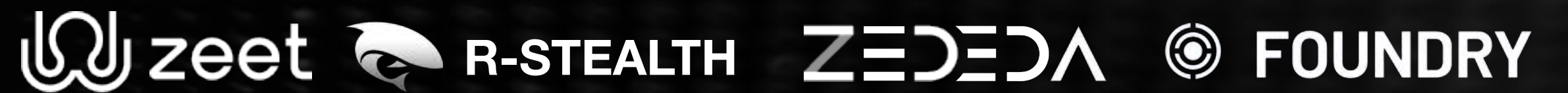
WHO WE ARE

Applied Digital (NASDAQ: APLD) is a U.S. based operator of next-generation digital infrastructure, providing cost-competitive solutions to High-Performance Compute (HPC) and Artificial Intelligence (AI).

STRATEGIC PARTNERSHIPS



SOFTWARE PARTNERS



FINANCIAL PARTNERS



ORGANIZATIONAL CHART



Offering Industry Leading Infrastructure Solutions and Compute Intensive Applications

What We Offer

Who Are Our Customers

Key Segment Stats

AI BASED CLOUD SERVICES

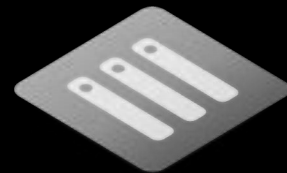


Rent AI/ML companies access to accelerated cloud compute (GPU servers) to train and run applications

AI / ML Companies

34,000+
Nvidia GPUs ordered

HPC DATA CENTERS



Provide hosting infrastructure through purpose build HPC data centers for the new wave of technological platforms and services

AI Foundational Models and
Cloud Service Providers

400MW+
In Development

BLOCKCHAIN DATA CENTERS



Provide hosting infrastructure (power and maintenance) to blockchain infrastructure companies

Blockchain Miners

~280MW
Operating
+
~200MW
Coming Online



Data Center Locations

HPC DATA CENTER

Utah, Salt Lake City

113.5 MW for Artificial Intelligence

Future Artificial Intelligence Data Center

Power Timeline: TBD

HPC DATA CENTER

North Dakota,
Jamestown & Ellendale

Data Center Capacity

280 MW for Blockchain Hosting

200 MW for Artificial Intelligence

Construction has started on our AI data center

Power Timeline: Estimated in 2025

AI SPECIFIC MODEL TRAINING

Nevada, Las Vegas

Colocation – Data Center Capacity

1.5 MW

AI SPECIFIC MODEL TRAINING

Minnesota, Minneapolis-Saint Paul

Colocation – Data Center Capacity

1.5 MW

AI SPECIFIC MODEL TRAINING

Colorado, Denver

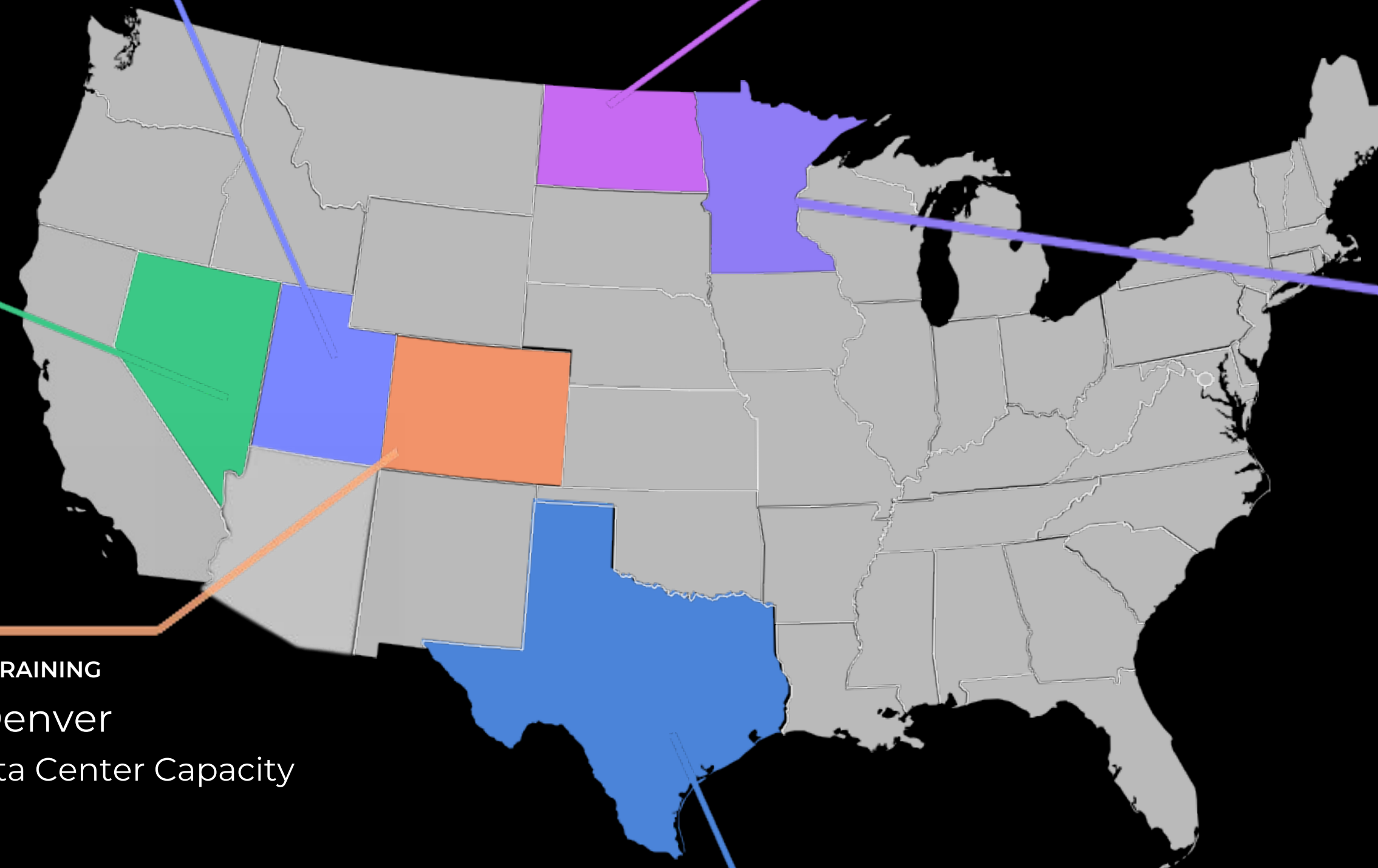
Colocation – Data Center Capacity

4.5 MW

NEXTGENERATION DATA CENTER

Texas, Garden City

200 MW for Blockchain Hosting



AI Cloud Services





Sai Computing

Sai Computing, a wholly-owned subsidiary of Applied Digital, offers GPU compute solutions to help customers cost-effectively execute critical AI, ML, rendering, and other HPC workloads. Our infrastructure is purpose-built for high performance at low cost. Customers pay a fixed rate to the Company in exchange for a managed hosting environment supported by Company-provided equipment.

Cloud Service Offerings



Reserved Compute

STANDARD CLUSTER
DEPLOYMENT 1024X GPUS

- 6 Month Minimum Term
- Up to 72 Month Term Contracts
 - Fixed Price
- Support + NVidia Architecture



Burst Compute

SMALL TO MEDIUM CLUSTERS

- Immediate Bulk Compute Needs
- Short Term Reserve for Hourly Compute
- Variable Pricing based on Availability



Short Term

MARKETPLACE

- Per GPU per Hour
- Per Server Per Hour

Product Roadmap

Bare Metal GPU Clusters

Visualization, Containerization, Orchestration

Data Science Solution Based Partnerships

Bare Metal Command Line Interface

Web Management Interface

Partnerships

Partnerships with several companies for simplified interfaces

- For Data Science & ML Teams (Small & Lean)
- Location Agnostic or Specific Requirements
- Doesn't Require System Engineers or Admins
- GPUs by the Hour
- Command Line Interfaces
- Web Interfaces



GPUs Offered



NVIDIA Ampere GPUs

- A40
- A6000
- A100
- H100 80GB SXM
- H100 80GB PCIE



Future Offerings

- L40S
- Grace Hopper GH200

Key areas that differentiate our GPU Cloud services from competitors

NVIDIA H100

Highly Competitive AI Teams require access to state-of-the-art GPU Clusters. Sai was one of the first large scale cloud providers in the World to bring NVIDIA H100 online for customers.

Bare Metal

For highest levels of performance and flexibility, Sai offers customers server bare metal access. Sai and its partners have alternatives for customers who need CLI or Web UI access.

Support

The team, comprised of industry thought leaders from hyperscalers, world-class HPC centers, and innovative tech startups, offers robust support for advanced compute users.

HPC Data Center Colocation Services



HPC Data Centers

At Applied Digital, our mission is to pioneer the construction of purpose-built AI data centers. These facilities are powerhouses of innovation and efficiency designed to meet the growing demands of AI technologies.

Focus on Power-Driven Design: Our data centers are engineered with a primary focus on power capabilities, ensuring they can handle the intensive needs of AI computations.

Datacenter Pipeline: We currently have roughly +400MWs in development, showcasing our commitment to expanding our infrastructure and capabilities.

Construction: With construction underway on over +200MWs, we are rapidly turning our vision into reality, setting new standards in the data center industry.



Ellendale AI Data Center Rendering

Applied Digital HPC-Centric Data Centers Solutions

PROBLEM

- Nvidia HGX Servers Require 10kW+ per server and 40kW+ per rack for large clusters
- Traditional Data Center "High-Density" is <15kw/rack
- Traditional air-cooled data centers are inefficient and hit scale points at 45-50kw/rack
- Cutting edge supercomputing centers are pushing 200kw/rack today
- Large training clusters need close physical proximity and greater density

SOLUTION

- Design higher density racks and data centers to maximize space and minimize cabling distances, thereby expanding the cluster sizing
- Higher density requires specialized facilities, equipment and design
- Highest density clusters require liquid cooling. Applied's data centers are engineered to support advanced liquid cooled infrastructure for the most demanding future density requirements

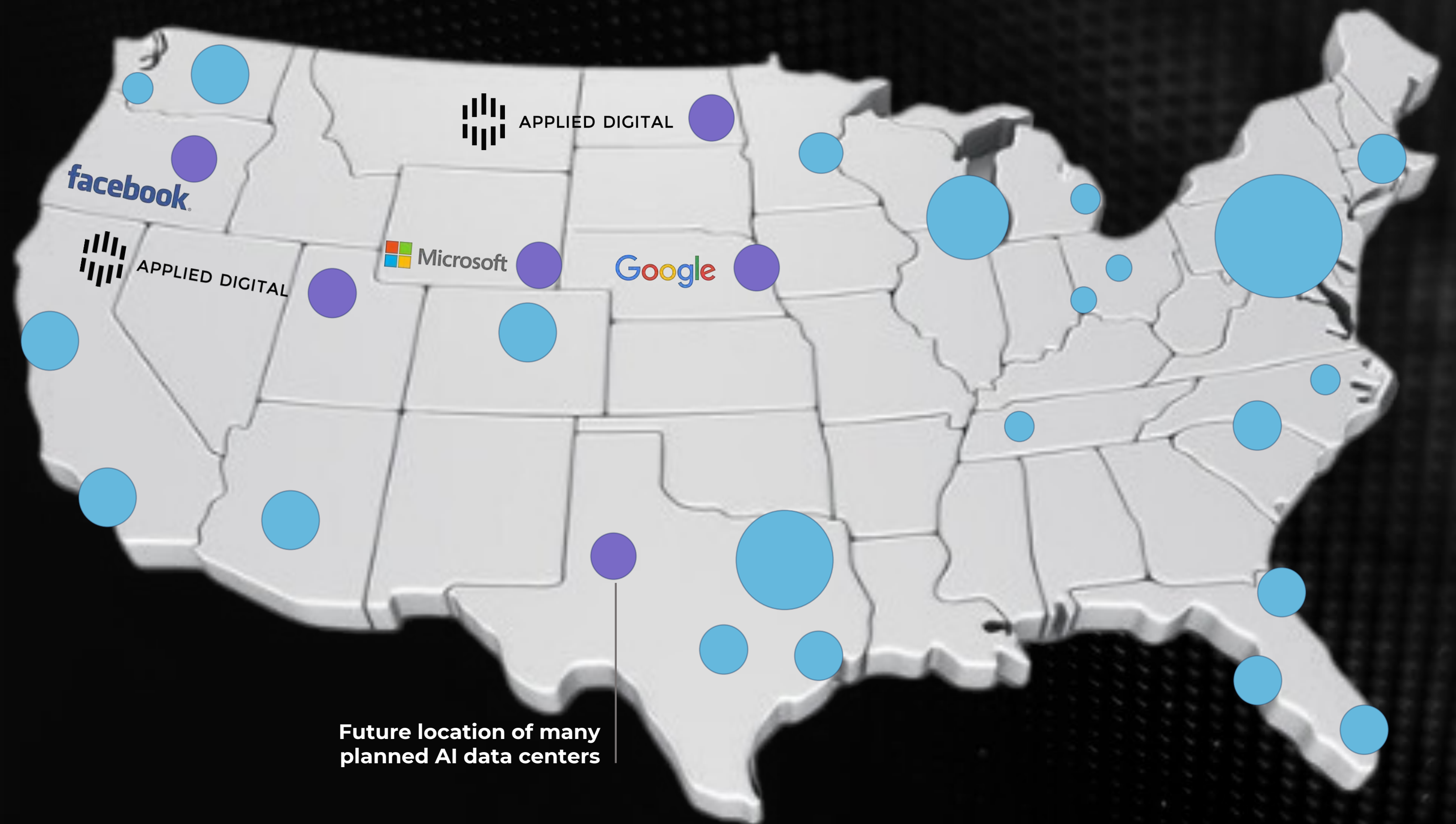


From Population to Power

Traditional Data Centers Traditionally, data centers needed to be close to population centers. This proximity was crucial to ensure fast response times and low latency for users.

AI Data Centers AI data centers shift the paradigm. They are less dependent on being near population centers and consume up to 300% more power compared to traditional ones.

Strategic Location: In response to the evolving data center landscape, our location strategy aligns with pursuing cost-effective and sustainable power sources. This deliberate move ensures a balance between the robust power needs of AI computations and economic-environmental considerations. Key to this strategy is our access to Gigawatts of low-cost energy in North Dakota, complemented by our proven ability to deploy high-quality data centers rapidly.



STATE-OF-THE-ART INFRASTRUCTURE

Applied Digital Data Centers focus on massive compute loads, high-density deployments and efficiency.

APLD'S CAMPUS INCLUDE:

- Dedicated Substation
- Custom Office Space
- Dedicated 24/7 Security Team
- Customizable Access Controls
- Cutting Edge Video Monitoring leveraging AI and Edge Analytics
- Loading dock with Burn-In
- Customer Storage Area
- Centralized Operations Command Center



Ellendale AI Data Center Rendering

DATA HALL FLOORS DESIGNED FOR FLEXIBILITY

- Tailored to customer requirements for InfiniBand friendly deployments
- Rack Densities from 45KW to 120KW can be deployed in a contiguous space
- Cost effective electrical and mechanical fit out models
- Data halls can be securely subdivided
- Industry leading Power Utilization Efficiency (PUE)



Blockchain Data Centers



Blockchain Data Centers

Applied Digital operates Data Centers to provide energized space to blockchain mining customers. The Company has three Blockchain Data Centers with a combined capacity of 480MWs. These data centers are dedicated to third-party hosting; Applied Digital does not own any equipment and solely focuses on the infrastructure and supporting services.



Garden City, Texas Facility
200MWs



Jamestown, North Dakota Facility
100MWs



Ellendale, North Dakota Facility
180MWs



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