BIOMASS-POWERED DATA CENTER DESIGN

From Nature to Network

Offsetting Grid Reliance Equivalent to 13,000 Homes

Biomass Integration
Converts organic matter into reliable, renewable energy.

Waste Heat Utilization
Captures and repurposes excess biomass heat for industrial process including chilled water for data center purposes (yes, we're using heated water to cool the data center!).

Grid Independence
Reduces reliance on the main power grid and enhances resilience through biomass integration, supported by solar / PV and other renewables.

Power Pathways
Optimized multi-source power infrastructure for maximum efficiency, accomplished through on-site power sources, renewables, and grid resilience.

Scalable + Repeatable Data Center Design

- **Supporting Multiple Rack Densities**
- **Tier III Equivalent**
- **D2C: Direct-to-Chip Ready**

Power-First Infrastructure
- Prioritizes resilient power delivery
- Scalable architecture
- Redundant systems

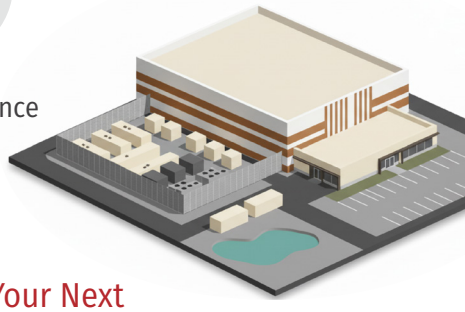
Alternative Water Sourcing
- Recycled water systems
- Water recapture
- Greywater reuse
- Reduced potable water use

Renewable Energy Integration
- District heating potential
- Industrial process heat
- Efficient thermal management
- Battery energy storage systems (BESS) supported by solar / PV

AI-Ready Architecture
- High-performance computing support
- Liquid cooling integration
- Future-proof design

Designed to Do More with Less

- Carbon-neutral design
- Circular economy principles
- Significant CO^2 emission reduction
- Contributes to community energy resilience
- Reinforces local biomass supply chains
- Certification Ready: LEED Gold, WELL, Green Globes, and UpTime



Construction 2026 → **Operational 2027**

Build Your Next Data Center with Optimized Design.

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