

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 solar / PV and the addition of 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 electric storage systems (BESS) supported by solar / photovoltaic (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 CO² 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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