

DATA CASTER LABS



The image above is used to illustrate how the data centers are built over the in-ground algae-to-biodiesel reactors using the waste heat from the data centers to produce 100% renewable fuel. Heat is necessary for year-round production of bio-diesel. Waste heat from the server farm would be repurposed in the production of fertilizer, algal products, fuel, feed, etc.

One of the unique features of the Data Caster Labs (data center) design is the datacenter waste-heat is repurposed to the production of high quality biofuel to power plant generators; power plant, in turn, provides light, heat, CO₂ & feed to algae, in turn providing cooling and power to datacenter operations and diesel production. Creating a vertically integrated, balanced, closed-loop ecosystem that's carbon negative and sub-zero GHG emissions. This is 100% renewable on-site production and consumption with producer, consumer, distributor and developer, carbon sequestration and renewables credits. Authentic, meaningful, and durable; green, clean, high-tech and high-touch marketing messages.

Data Caster Labs (DCL's) is rendered ultra-secure on several levels; off-grid, hackproof, by virtue of multi-phase laser to fiber data transport, remote location requiring virtually no off-site inputs (i.e. water, electricity, fuel, food, feed, etc.) If you are connected to the power grid you are hackable. DCL's is grid-independent. DCL's has on-site redundant multi-source renewable power i.e. organic waste fueled AD power plant, on-site bio-diesel fueled generators & UPS backup in addition to filtered grid option if it were to prove necessary.

CO₂ is also incorporated into a proprietary data center cooling system, creating the first commercially viable and scalable, 100% grid independent, sub-zero emissions, GHG mitigated, carbon negative, ecologically balanced, closed loop data center eco-system with [ultra-secure laser-to-fiber internet connectivity](#). Making Data Caster Labs another capacity driven profit center.

Security

Ultra-Secure, Air-Gaped, Extreme-Off-Grid, Encrypted Laser Transmission to Fiber. No Takeovers, Hacks, Pump-and-dump schemes, DDoS Attacks, etc. Current exchanges (Centralized Trust Operations) are the weak link, currently plaguing block-chain technology in general and crypto-currencies in particular

Air-Gapped mirror of Futures Protocol, (Public Ledger) will be housed in an ultra-secure, Grid independent, EMP hardened facility, Data Caster Labs. First 75 miles of Internet connection will be laser to fiber in addition to encryption. This will provide a level of protection unique to BUX/SBX Cryptosphere.

If/When the Internet and/or Electrical Grid go Down BUX/SBX Will Remain Secure, Accessible and Tradeable.

AI Driven Algo-Mining for Actionable Intel.

Uploading content to the peer-to-peer grid is fully encrypted before ever leaving members device. Encryption ensures all content in the system is kept confidential and free of tampering, even when stored on a peer-to-peer grid.

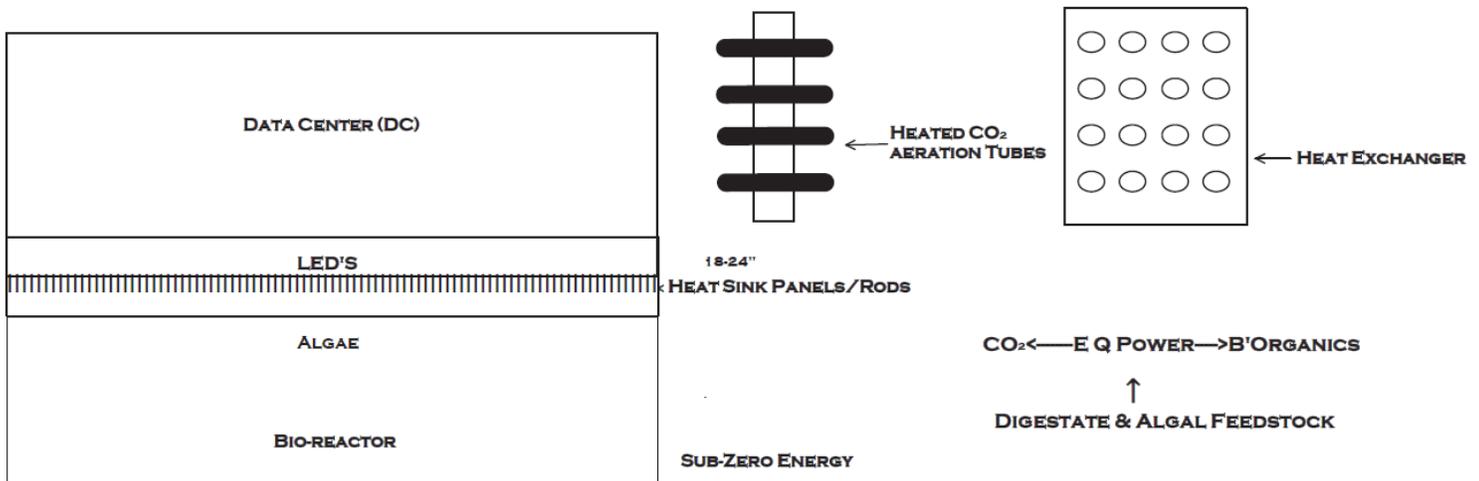
Ultra-Secure remote location, EMP hardened Ultra-Secure Facility, Air-Gaped, Extreme-Off-Grid, Encrypted Laser Transmission to Fiber, local to state level political relationships and affiliations, etc. Fraud and Fugazi is mitigated. No takeovers, Ex-hacks, Pump-and-dump Schemes, etc.

In the event of disruption to internet, power grid, disaster manmade or otherwise. SBX will be secure and accessible on-site and will always be exchangeable into Beyond Organics and Prime+ quality food, water, feed, fuel, security and grid independent power with all the amenities of a trophy class preppers paradise.

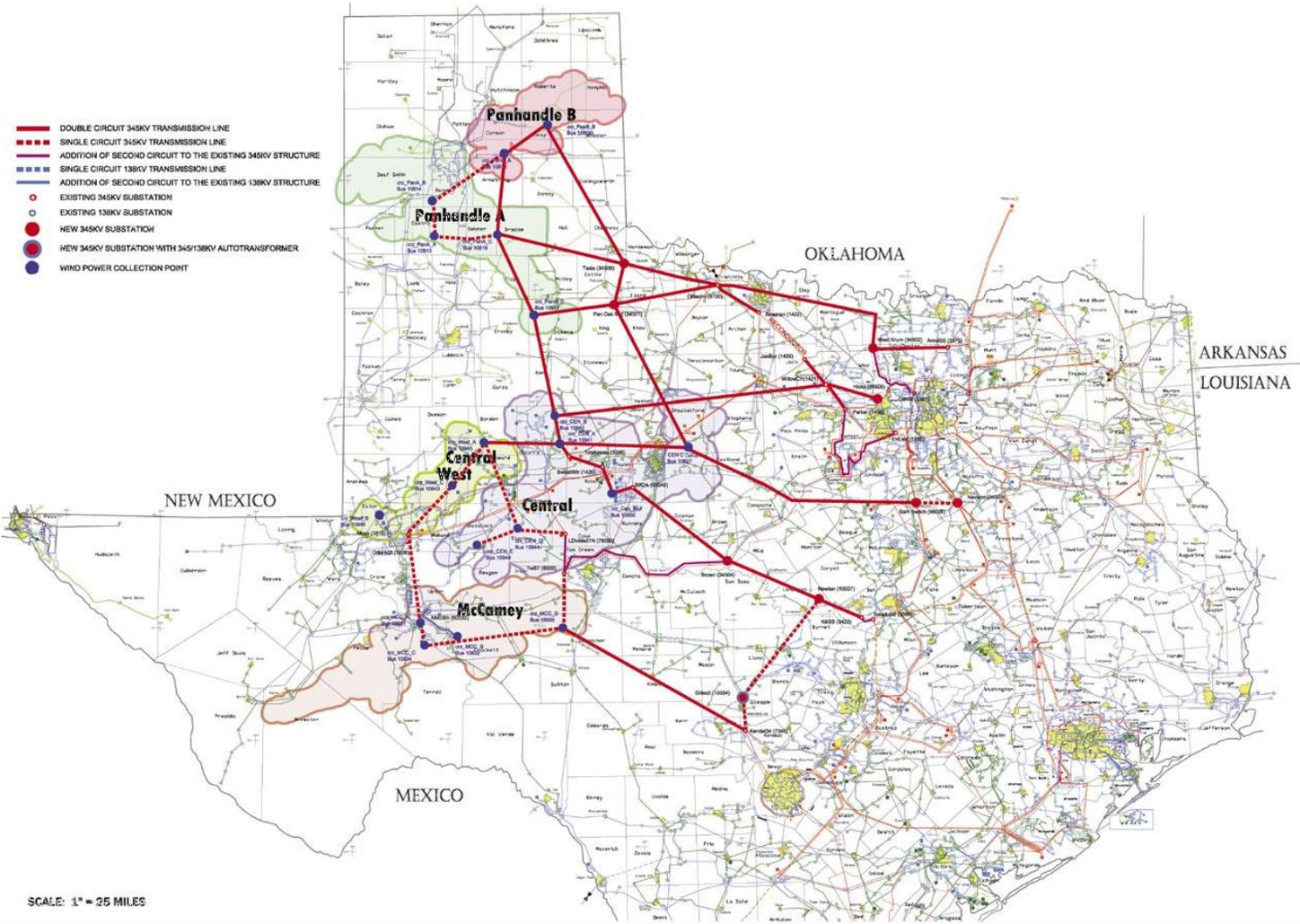
For BUX/SBX, Internet and Power Doesn't go Down.

Data Caster Labs Operations and Development Center. Estimated Cost: \$15.2 - \$18.5M USD.

Data Caster Labs Estimated Aggregate Revenue/Earnings Years 1 - 3 ...18.2 / 5.8

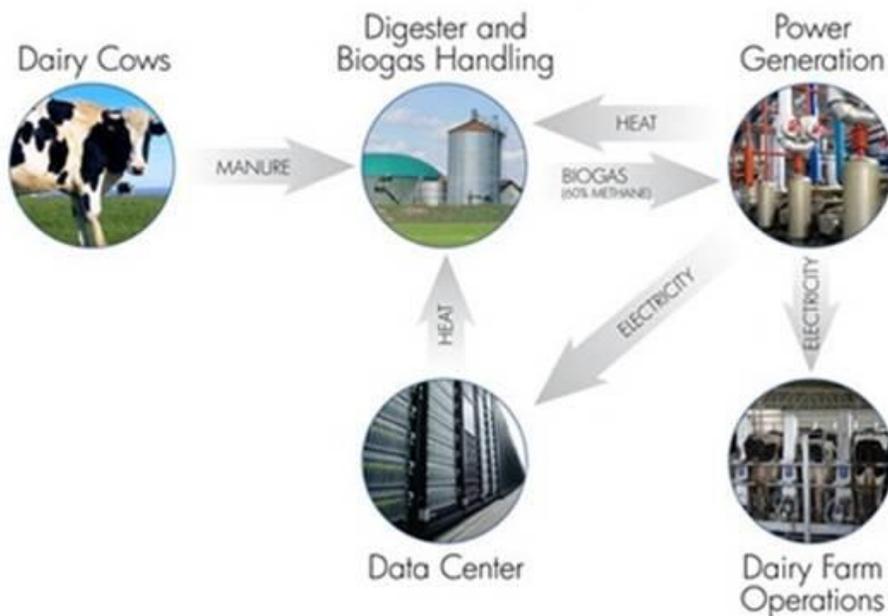


DATA CASTER LABS DIRECT HEAT EXCHANGE TO SUB-ZERO ENERGY'S BIO-REACTOR DESIGN



MAP ILLUSTRATES CURRENT INFRASTRUCTURE FOR LASER-TO-FIBER CONNECTIVITY RIGHT-OF-WAY

HP Labs Design for a Farm Waste Data Center Ecosystem



Hewlett Packard engineers have released a white paper that details how farmers and DC operations would work together to repurpose the waste by-products from their respective operations. For the farmers, it will enable them to turn an expensive ecological nightmare into a profit center and for data centers a way to repurpose waste heat to produce 100% renewable bio-fuel back to the power plant. Providing both with highly prized, authentic and durable marketing

Companies like Google, Microsoft and HP are being driven by market forces to look for more rural areas to build their computing centers (server farms). Locating centers near organic farms will solve three problems; the farmers need to recycle/repurpose livestock, crop and processing wastes and the data centers need for a redundant, secure and environmentally responsible source of power and the repurposing of data center waste heat. Data Caster Labs will offer a full suite of data center/server farm services; Ultra-Secure Off-Grid Storage, High Speed Access, Processing, Mining, Analytics, Actionable Intelligence, R&D, etc.

See Asset Portfolio pdf Available from Home Page