FLEXERA

Integrated Energy + Data Infrastructure

Solar PV • BESS • Ice Thermal Storage • Data Centers • VPP-as-a-Service

The problem

Power volatility, grid congestion, and data demand are colliding.

Developers need bankable clean power with firm capacity.
Data centers require reliability, cooling, and fast interconnect.
Utilities need flexible demand + distributed assets to stabilize the grid.

Our solution

A modular campus that stacks revenues across energy, data and flexibility.

Solar PV
Utility-scale ground PV + rooftop + canopies

BESS
Dispatchable storage for firming + ancillary services

Ice Storage
Shifts cooling load, reduces peak demand (PUE impact)

Data Campus
Secure halls, substation, gensets, redundant feeds

VPP-as-a-Service
Orchestrate DERs & loads, monetize flexibility

Site masterplan

Zoning + PV bands + energy/data core.

Energy capacity stack

Ground PV (AG-priority) + canopies + rooftops.

Ground PV: 9.00 MWp (12 ha × 0.75 MWp/ha)
Canopies: parking PV coverage (95%) @ 210 W/m²
Rooftops: roof PV coverage (85%) @ 210 W/m²
Plus: BESS dispatch + VPP monetization

Ice thermal storage

Shift cooling to off-peak, reduce demand charges, improve resilience.

Charges ice tanks overnight using low-cost power.
Discharges during peak, cutting chiller load and grid draw.
Adds operational flexibility for data center cooling.

VPP-as-a-Service

Software + operations to aggregate and dispatch DERs and flexible loads.

Revenue streams: capacity, ancillary services, arbitrage, demand response.
Grid services for utilities and industrial/commercial clients.
Multi-site replication: repeatable playbook across regions.

Business model

Stacked, de-risked revenue with infrastructure-grade contracts.

Energy: PPAs, wheeling, firming contracts, storage services.
Data: colocation/lease, interconnect, managed security.
Flexibility: VPP dispatch fees + performance-based revenue share.

Why now

Policy tailwinds + AI demand + grid constraints.

Rapid data center expansion and AI workloads.
Increasing value of flexibility as grids decentralize.
Falling PV + storage costs improve project economics.

Roadmap

From concept to bankable execution.

Phase 1 | Land & permits, interconnect study, early offtake MoUs

Phase 2 | PV + BESS EPC, ICE storage integration, initial data halls

Phase 3 | Scale-out halls, replicate sites, expand VPP portfolio

Team

Experienced operators across energy, infrastructure and delivery.

Alassane Ndour

Business / Partnerships • ndoural2030@gmail.com

Eric Oben

Engineering / Delivery • eobenn@gmail.com

Investment opportunity

Seeking strategic capital to advance interconnect, permits and early build.

Use of funds: permitting, grid studies, EPC pre-dev, VPP platform build-out.
Target: secure anchor customers (energy + data) and reach financial close.
Contact: ndoural2030@gmail.com | eobenn@gmail.com

Training & Studies-as-a-Service
Capacity building + bankable advisory

Training: operator training, SOPs, O&M readiness for PV, BESS, VPP and thermal systems.
Studies: feasibility, interconnect, load modeling, techno-economic analysis and permitting support.
Outcome: de-risk delivery and accelerate replication across sites.