DKE-SGP: The Pulse of the Next-Generation Grid

Optimizing grid stability and energy efficiency through high-precision, distributed Digital Kinetic Energyte Energía Cinética Digital de alta precisión y distribuida

Distributed Energy — Clean and Portable

El pulso eneígél'ico en las micíoíedes

Digital Kinetic Energy.

BLINDO BARRAS
LATINOAMÉRICA

SEA Y LAND

Eneígía de all'ísima calidad: 50 o 60 Hz
l'iifásico de bajo o medio voll'aje
AC o DC
Píonl'o despacho de ampeíaje
,

Analog or Digital Energy

Continuous, Uninterrupted Energy Dispatch — 24/7/365

Direct-to-End-Consumer

Without transmission or distribution networks

CATEGORY: Digital Kinetic Energy - Smart Grid Power

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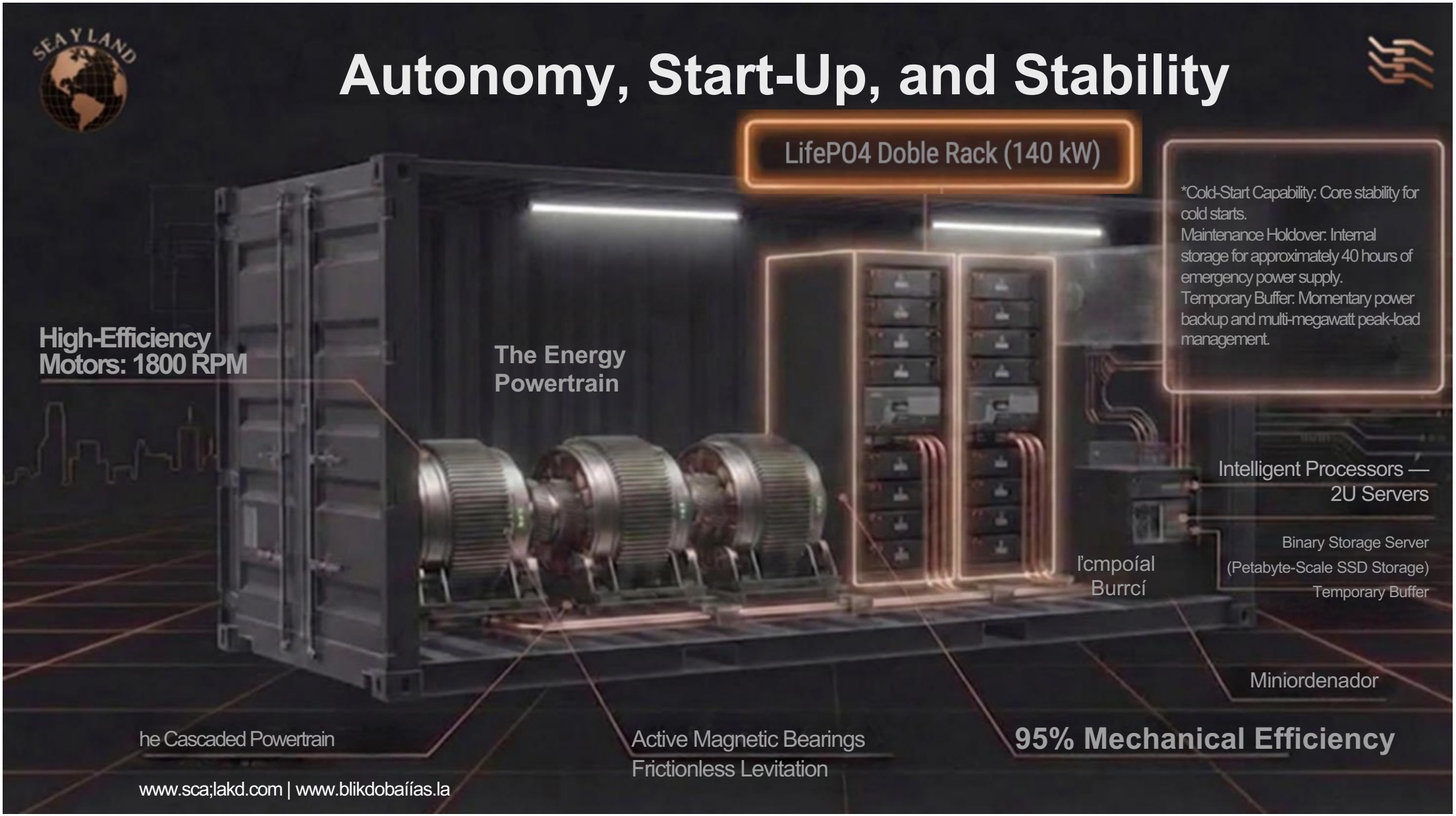
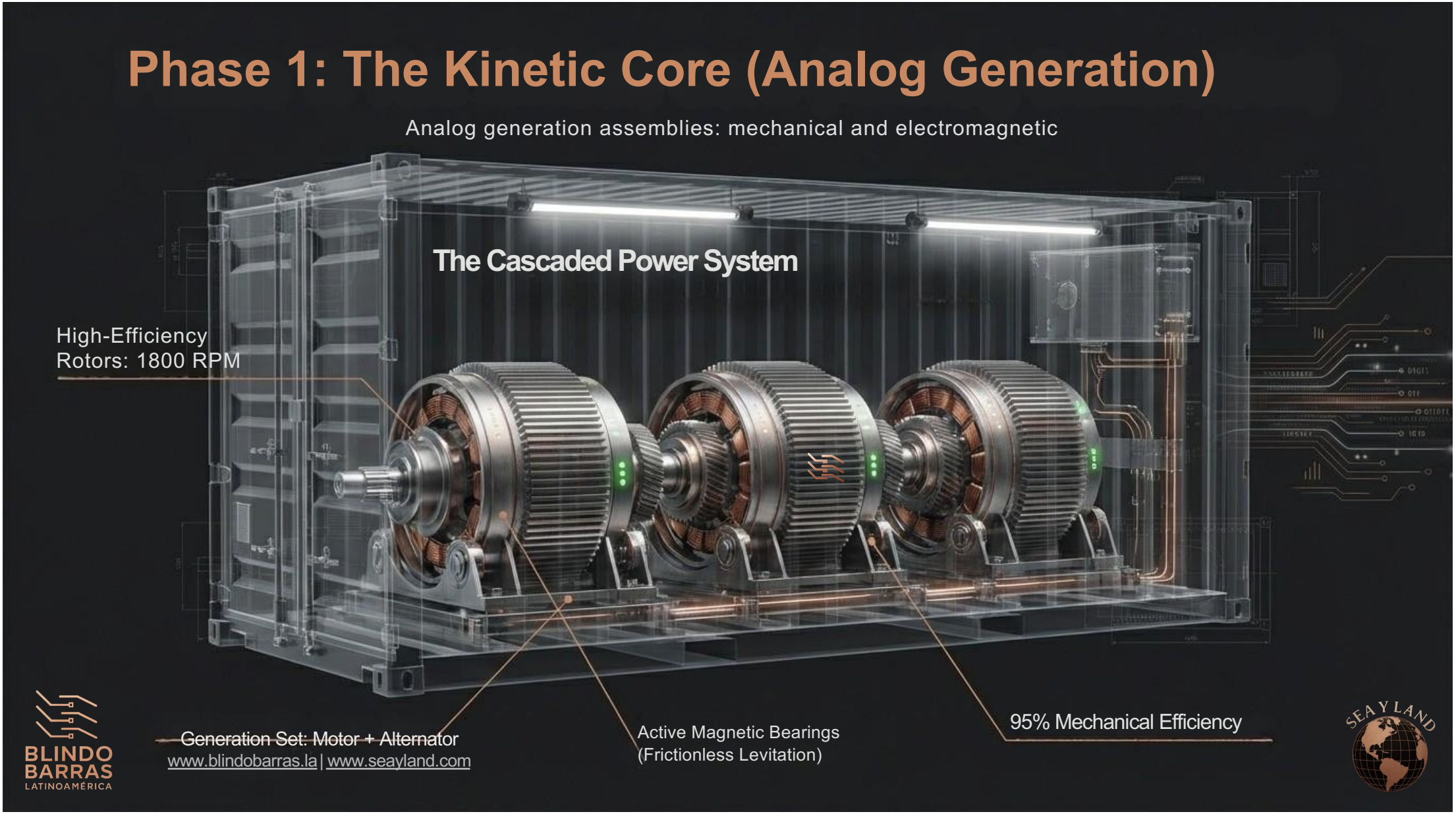

Autonomy, Start-Up, and Stability
LifePO4 Doble Rack (140 kW)
*Cold-Start Capability: Core stability for cold starts.
Maintenance Holdover: Internal storage for approximately 40 hours of emergency power supply.
Temporary Buffer: Momentary power backup and multi-megawatt peak-load management.
High-Efficiency Motors: 1800 RPM
The Energy Powertrain
Intelligent Processors — 2U Servers
Binary Storage Server
(Petabyte-Scale SSD Storage)
Temporary Buffer
Miniordenador
he Cascaded Powertrain
Active Magnetic Bearings
Frictionless Levitation
95% Mechanical Efficiency
www.sca;lakd.com | www.blikdobaíías.la

Phase 1: The Kinetic Core (Analog Generation)

Analog generation assemblies: mechanical and electromagnetic



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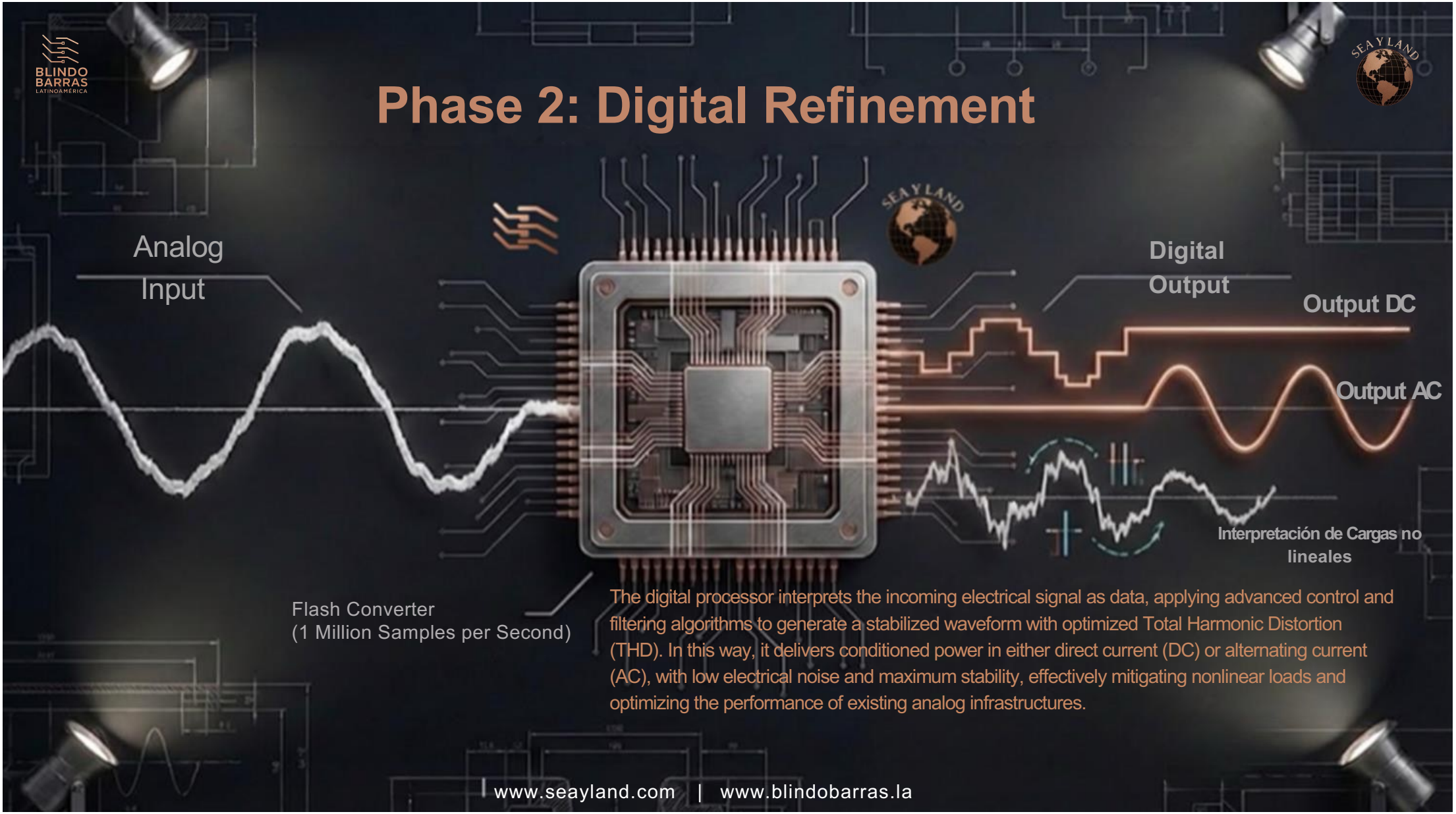
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Phase 2: Digital Refinement
SEAYLAND
Analog Input
Digital Output
Output DC
Output AC
Interpretación de Cargas no lineales
Flash Converter
(1 Million Samples per Second)
The digital processor interprets the incoming electrical signal as data, applying advanced control and filtering algorithms to generate a stabilized waveform with optimized Total Harmonic Distortion (THD). In this way, it delivers conditioned power in either direct current (DC) or alternating current (AC), with low electrical noise and maximum stability, effectively mitigating nonlinear loads and optimizing the performance of existing analog infrastructures.
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Continuous Baseload Performance

Gross Power Generated: 1,440 kW

Net Power Output: 1,100 kWh
Guaranteed Dispatch

Self-Consumption (20%–25%): kinetic cycle, climate control, pressurization, CCTV, etc.

Daily Energy Supply: 26,400 kWh
Annual Energy Supply: ~9,636,000 kWh
Status: Permanent Baseload Plant

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“Power Lift”: Transformerless Voltage Management

Legacy Transformador

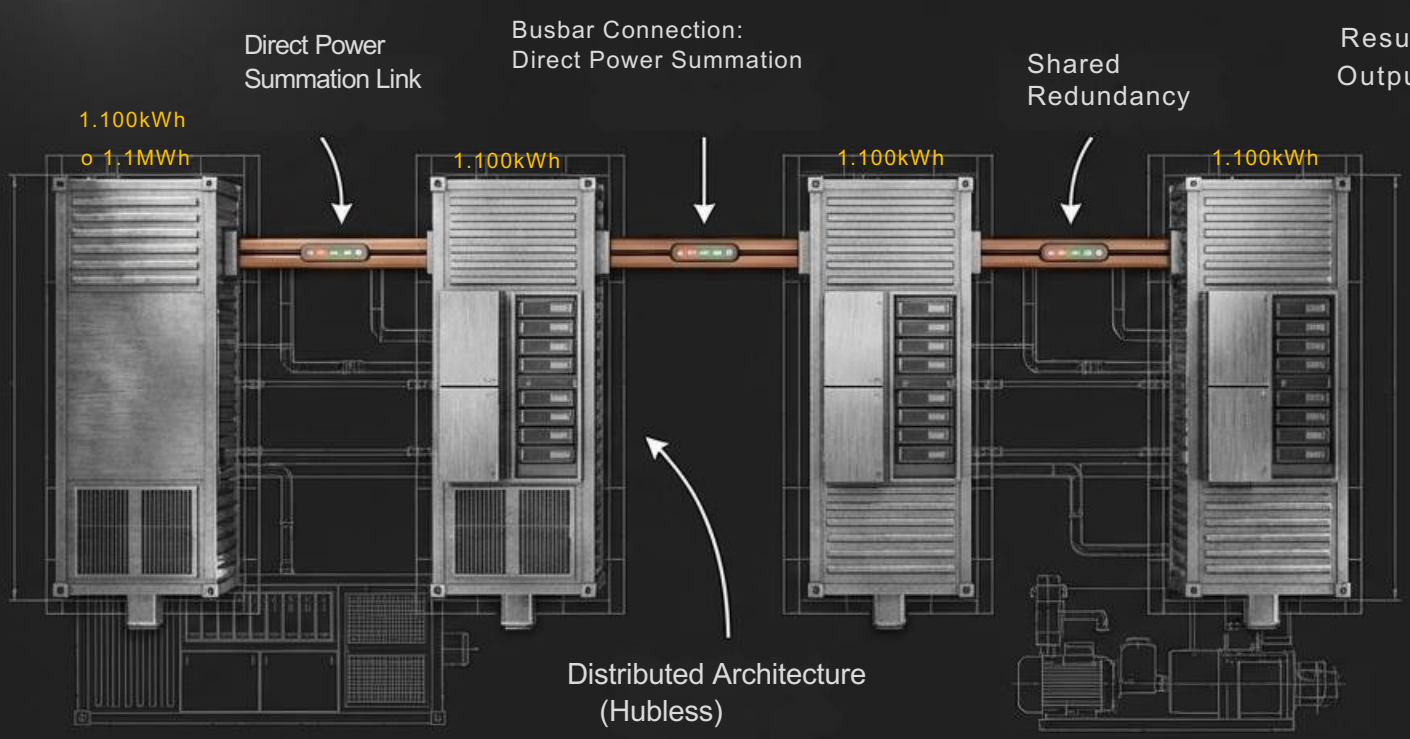
- Voltage Range: Low- or medium-voltage, up to 34–69 kV
- Frequency: Configurable, 50 Hz or 60 Hz

•Efficiency: “Fast amperage”
•(current delivery in milliseconds)

Direct voltage management through intelligent control software, eliminating bulky hardware.

“Energy Lego”:

Seamless scalability and direct interconnection — no distribution center required.



The units are directly interconnected to increase output power. If an interconnection module fails, the system continues operating autonomously.

AUTONOMY AND ENERGY EFFICIENCY

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Spatial Configuration and Stacking

The standard 20-foot container format enables high-density deployment.
The external steel framework ensures maintenance access at all levels.

Maximum Stacking:
4 Units

Spacing: 3
meters

Side
Clearance: 1
meter

We do not sell technology — we sell clean energy as a service.

Comprehensive Clean Energy as a Service (EaaS). The client pays solely for the energy service delivered and consumed, measured in kWh. Manufacturing, transportation, installation, and maintenance are included.

Service metering in kWh and real-time predictive monitoring

We Minimize Risk: • If we do not generate energy, we do not charge. • Zero upfront investment for the end customer — we take care of everything.

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Security and Contractual Guarantees

4 years minimum Term commitment + 1-year termination notice

Full warranty: Complete equipment replacement and upgrade

Backed by SLA: Availability guaranteed under Service Level Agreements

Financial protection: Secured contracts and trust-based structures

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Bit-Level Energy Management

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