PROPRIETARY AI CORE

Built by India, For India & Scaled to World

SOVEREIGN SECURITY
RBAC, Compute & Data Boundary respect.

EDGE AI PROCESSING & IOT
On-device ML inference, Fallback strategy.

DATA LAKE ARCHITECTURE
Scalable for petabytes of data, billions of sensors.

MODULAR PLATFORM
Microservices and pluggable pipleline.

FRAMEWORK ALIGNED
Aligned with IEC, IS standards, Indian Energy Stack.

PREDICTIVE & AI MODEL
AI models trained on localized energy dynamics.

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India

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APPARENT ENERGY

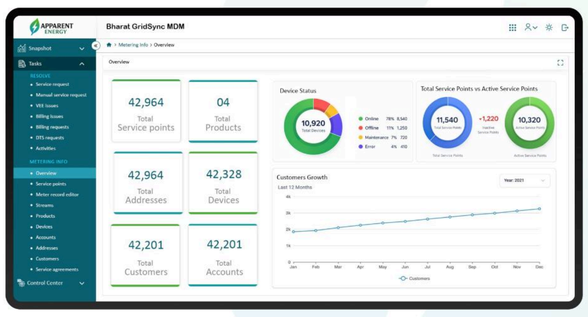
AI Powered Energy Intelligence Platform

End-to-end solutions across the energy value chain

BHARAT GRIDSYNC (MDM)

Advanced Meter Data Management System for utilities and smart grids.

- Scalable ingestion for millions of smart meters
- Advanced validation, estimation and billing readiness
- Real-time analytics for utilities and DISCOMs

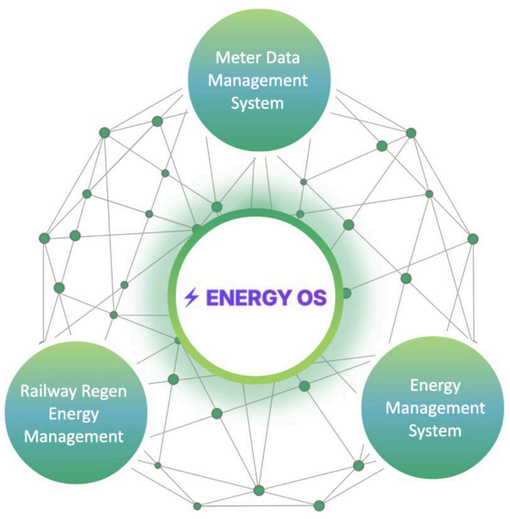


Advanced Analytics • VEE, Always Billing Ready • AI Intelligence
GIS View, KPI Dashboards • Highly Secure • Data Trust & Lineage
Hyper Configurable • Scalable to Million Meters

ENERGY MANAGEMENT SYSTEM (EMS)

A unified EMS for monitoring, control, and optimization—turning distributed assets into a coordinated, revenue-generating portfolio.

IonOS CoreOS NexusOS



IonOS — Distributed Energy Resources • CoreOS — Utility Scale EMS • NexusOS — Grid Operations

Optimization & Grid Intelligence Solutions

AI-driven operational intelligence for modern energy systems

RAILWAY REGENERATIVE ENERGY MANAGEMENT

Report & Monitor
- Captures onboard regenerative energy and bidirectional power flow at traction substations.

Measurement & Accountability
- Classifies energy into generated, reused by other trains, and exported to the grid.

Commercial Enablement & Scale
- Enables DISCOM billing netting and energy credit discussions

OPTIMIZATION VALUE STREAMS PLATFORM

Maximize revenue streams across DER assets

- TOU optimization
- Battery arbitrage strategies
- Demand shaping and export optimization

ASSET PERFORMANCE INTELLIGENCE

AI-driven asset performance monitoring for energy infrastructure

- Predictive maintenance insights
- Fault detection and diagnostics
- Asset lifecycle optimization

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