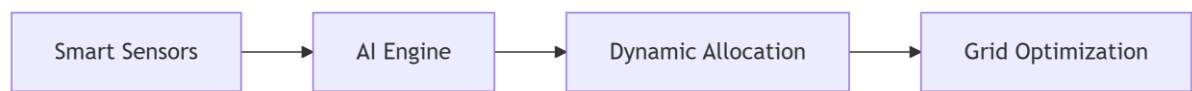


EnerFlux AI Energy Management System

Revolutionizing Power Distribution with AI

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Core Technology



Key Components:

- Real-time monitoring (2-second intervals)
  - Predictive load balancing algorithms
  - Automated anomaly detection
  - Self-learning neural network
- 

Performance Comparison

Metric	Traditional Grid	EnerFlux Grid
Power Loss	18%	4%
Response Time	15 minutes	8 seconds
Blackout Prevention	30% effective	92% effective
Cost Savings	\$0	\$12.45/hr

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System Architecture

1. Data Layer

- IoT sensors
- Smart meters
- Storage monitors

2. AI Processing

- Demand forecasting

- Anomaly detection
- Allocation engine

### 3. Control Layer

- Automated switches
- Battery management
- Priority routing

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## Implementation Roadmap

