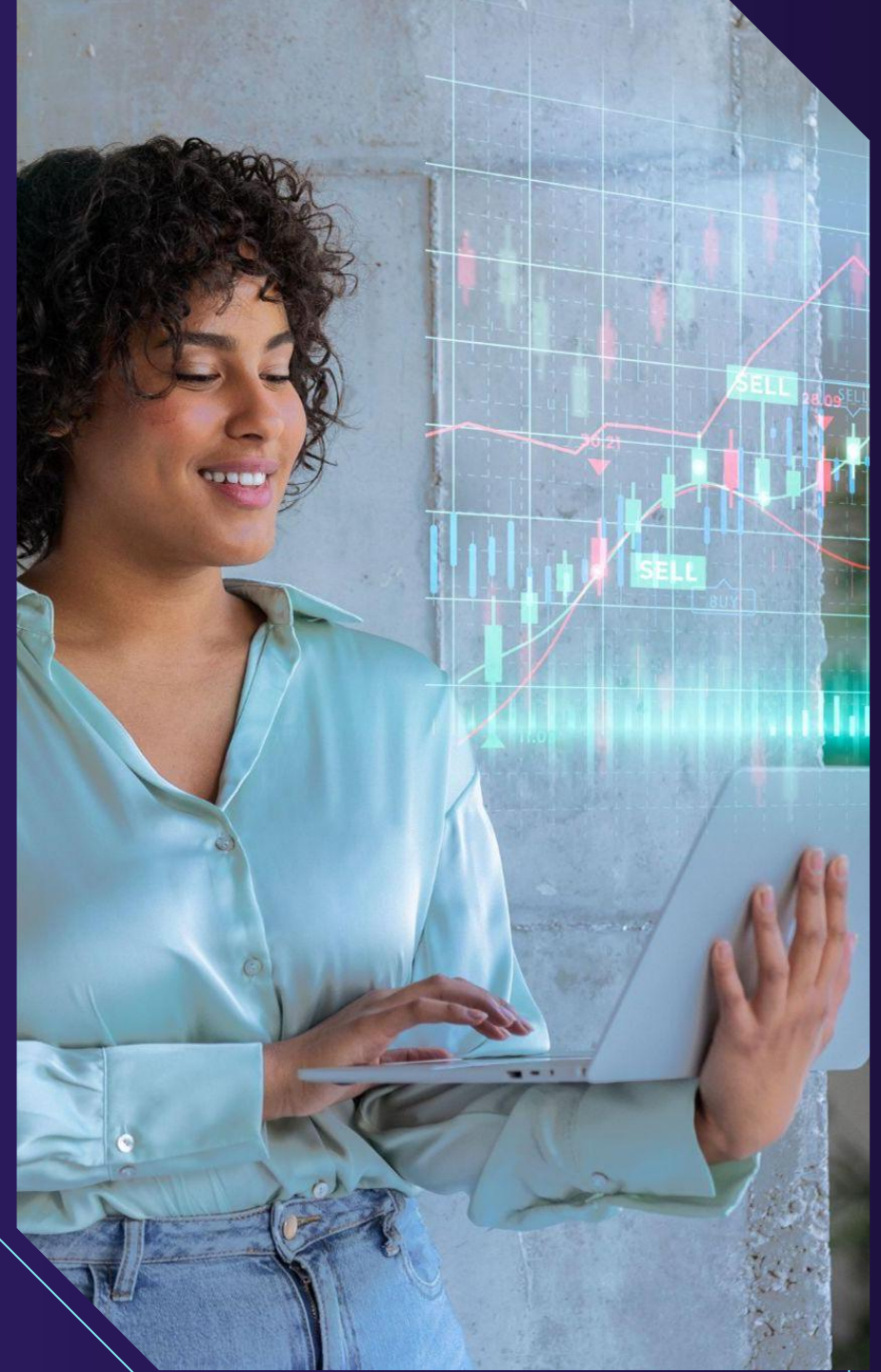




AI Powered Network Energy Optimization Dashboard

Enhancing Energy Efficiency in Network
Infrastructure

Team Connect AI





The Energy Challenge in Telecom



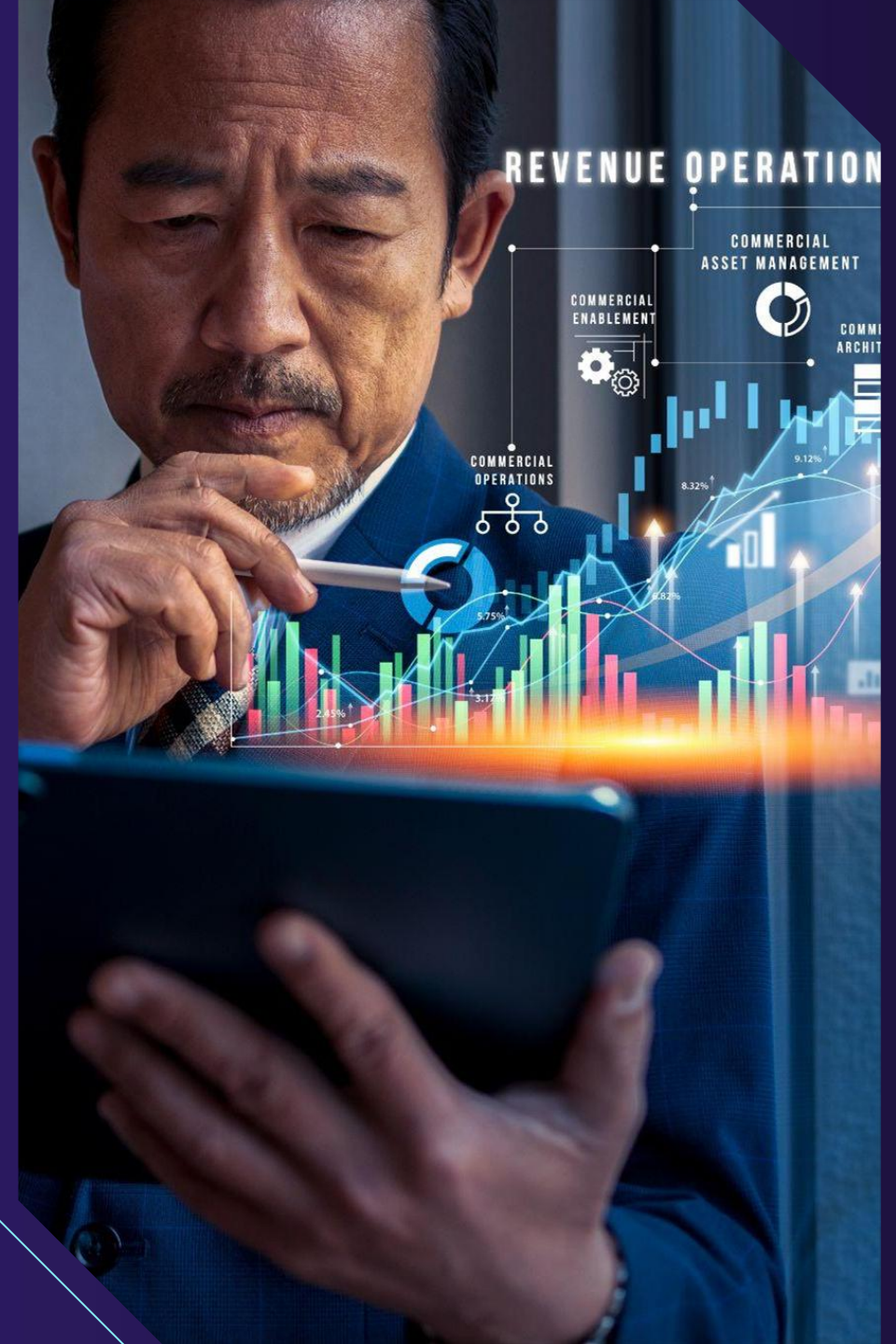
Imagine a remote telecom tower struggling to stay online. Power consumption is skyrocketing, driving up costs. In rural areas, unstable grids cause frequent blackouts, leaving communities disconnected.

- **Energy Wastage:** Networks run at full capacity even when demand is low, leading to unnecessary power consumption.
- **Lack of Predictive Optimization:** Traditional energy management reacts to outages rather than proactively preventing inefficiencies.
- **Renewable Energy Underutilization:** Solar and other renewable sources remain untapped due to poor integration with network power systems.
- **Cost Inefficiencies:** High electricity bills and expensive backup solutions (like diesel generators) make sustainable connectivity challenging.
- **Limited Real-Time Monitoring:** Network operators lack a clear, real-time view of energy usage and optimization opportunities.



The Solution?

AI-powered energy forecasting, geospatial intelligence, and real-time optimization to make telecom networks smarter, more efficient, and sustainable.



Our Solution

Our Solution contains four main components



AI Driven Energy Forecasting

- Predicts power demand in advance to optimize energy usage and reduce waste.



Geospatial Network Data Integration

- Maps network infrastructure with real-time satellite data for smarter energy distribution.



Renewable Energy Optimisation

- Seamlessly integrates solar and other renewables to reduce reliance on unstable grids.



Interactive Realtime Dashboard

- Provides live insights and AI-driven recommendations for efficient energy management.



Market Scope and Revenue Model

\$50B+

Estimated Total addressable Market for Global telecom & data centre energy management

\$10B+

Estimated Serviceable addressable Market for Global telecom & data centre energy management for renewable energy for telecom and cloud

12%

Growth YOY



Possible Revenue Streams

- SaaS Subscription
- Consulting Services
- API Licensing
- Strategic Partnerships



Competitive Edge & Future Prospects

Why Us?

Traditional energy management tools rely on static allocation, leading to inefficiencies and high costs. We do things differently. Our real-time AI optimization ensures energy is used precisely where and when it's needed, reducing waste. By integrating geospatial intelligence, we provide deeper insights for smarter decision-making. And with our seamless, cloud-based dashboard, monitoring and optimizing network energy has never been easier.

Future Expansion: Scaling Smarter Networks

The future of connectivity demands smarter energy solutions. We're gearing up to optimize 5G and Edge Computing, ensuring these next-gen networks run efficiently. Our technology will extend to Smart Cities and IoT, creating sustainable, AI-driven urban infrastructure. With global scalability, we aim to transform telecom and data centers worldwide. The impact? A potential 20-30% reduction in network energy costs—making connectivity greener, smarter, and more cost-effective.



A snapshot of our dashboard

