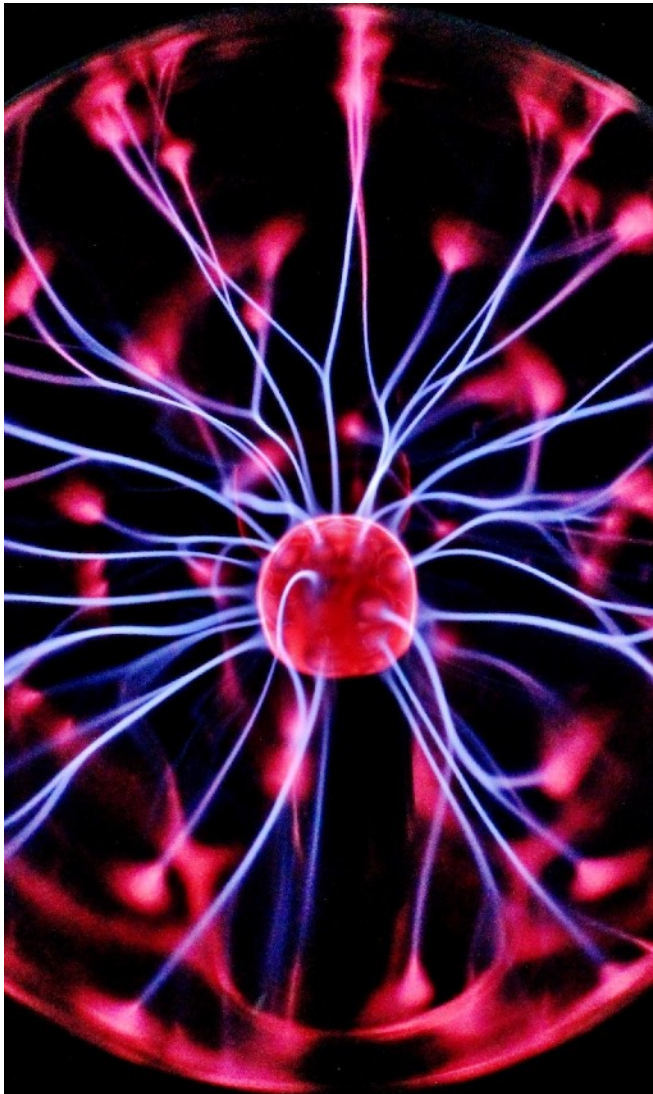# SMART CONNECT: EES

ENERGY EFFICIENCY SOLUTION FOR 4G & 5G

Reduce your 4G & 5G Radio Access Network (RAN)'s energy use with a highly-trained Artificial Intelligence (AI) system running on our Internet-of-Things (IoT) platform.

Get the most out of your 4G & 5G network investment.

With 5G equipment consuming 3X more energy than 4G/LTE, Smart Connect: EES is designed to help mobile network operators achieve the best energy efficiency without compromising user experience.

Save energy without risk of reduced network coverage.

Our self-learning AI is able to identify wastage and apply multiple strategies in reaction to your network's performance in realtime. It takes into account all factors of your network to make its decisions.

Integrates with your existing RAN and NMS/OSS.

Smart Connect EES does not replace your existing equipment nor does it disrupt your organisation's technology acquisition roadmap. Our solution supports multi-vendor integration and interoperability.

Enterprise-class platform with all the features you'd expect.

Our platform's full suite of features also allows you to perform multiple functions, such as monitoring energy use, managing user experience & network KPIs, work order & policy management, and more.

What is Smart Connect: EES?

Smart Connect: Energy Efficiency Solution (EES) uses advanced AI algorithms to monitor your Radio Access Network (RAN) and execute energy saving strategies automatically. It runs on our Smart Connect Internet-Of-Things (IoT) platform with enterprise features.
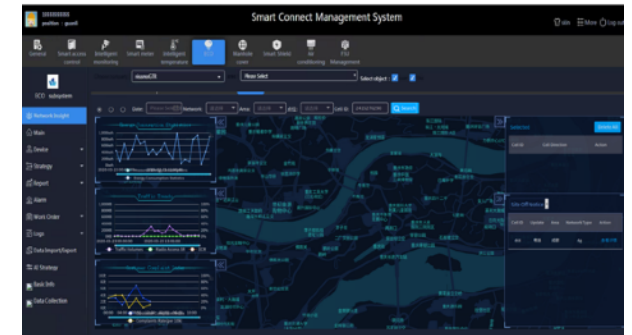

Smart Connect: EES (IoT Platform & AI)

Our AI processes realtime data from your telecom vendor's equipment in data centres as well as on-site to identify network traffic patterns that allow capacity to be scaled down without affecting coverage.
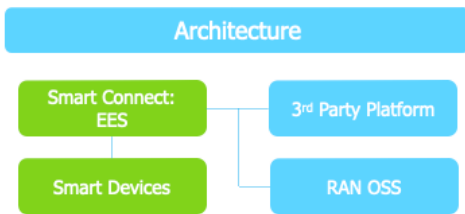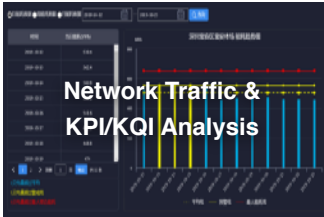
AI FEATURES: PREDICT

Our AI will undergo model training using your network's data to not only identify but even predict traffic trends in realtime that humans can't find.
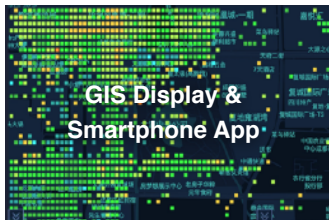
AI FEATURES: PROPOSE

The AI will propose the best energy saving strategy for each location/block/site/cell/etc. With self-learning, the AI improves itself over time.
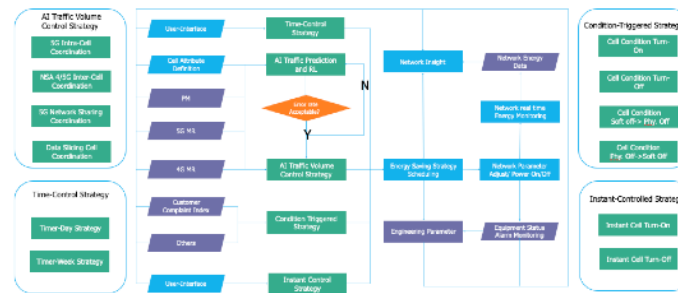
AI FEATURES: STRATEGISE
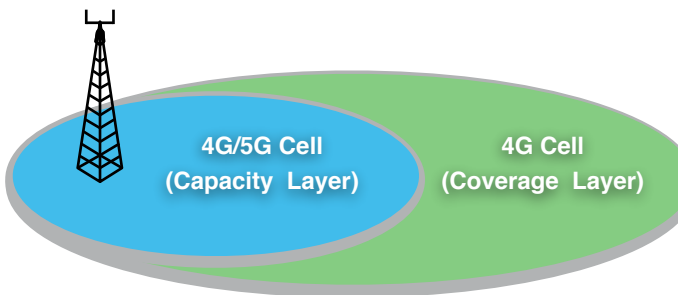
The AI can choose from a list of advanced strategies that was developed by our data scientists. The AI scale capacity up or down depending on coverage.

AI FEATURES: ACTIVATE

At the perfect time, the AI will activate the strategies automatically. It will coordinate & gracefully perform equipment power up/down to save energy.

Equipment & Site Monitoring

Network Traffic & KPI/KQI Analysis

GIS Display & Smartphone App

Energy Saving & Strategies Mgt.

Automatic Energy Saving Strategies
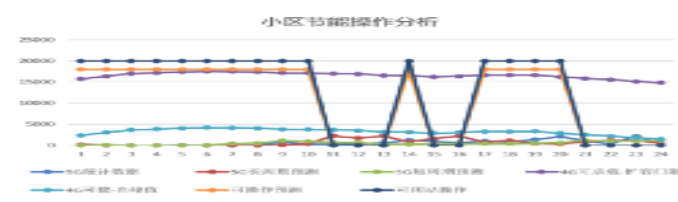
Dynamic Activation & Optimisation

4G/5G Cell (Capacity Layer) **4G Cell (Coverage Layer)**

Advanced Energy Saving with 4G & 5G Cell Coordination

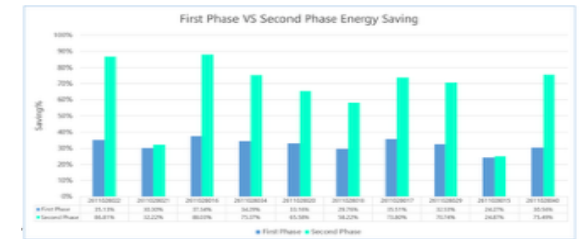# Proven In China To Achieve Energy Savings of 35% to 70%.

Talk to us today to learn how Smart Connect: EES is delivering 35-70% savings in electricity bills every month for mobile network operators in China.
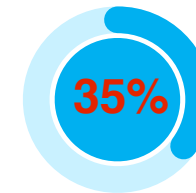
35%
Conservative Strategy

70%
Aggressive Strategy

First Phase VS Second Phase Energy Saving
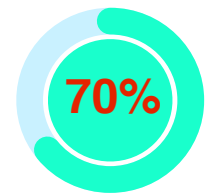
Exceptional Results That Exceeds Vendor Estimates

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