

# ENERGY OPTIMIZATION SYSTEM

## ABOUT EOS

> InMobles Energy Optimization Solution finds the right balance of network performance and energy performance/ efficiency as data traffic grows and new services are introduced.

> EOS relies on real-time AI-powered monitoring and analysis of data collected on each radio site to significantly reduce the yearly consumption bill by **30% to 40%** and can effectively prolong rectifier lifespan, reduce the Tx power of the non-BCCH timeslots, predict network traffic demand in very high accuracy and can enable the dynamic cell shutdown based on location and peak time in a multi-band network

## KEY BENEFITS



Reduction in ran energy bill. Proven by monthly cell tower energy bills



Reduction in radio units (RU) faults for major radio units vendors



Improvement of dropped calls for GSM and WCDMA networks



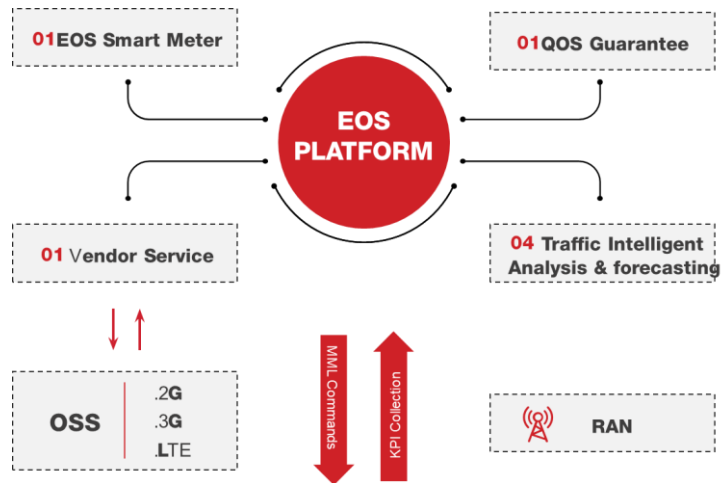
Improved efficiency of the power system and prolongs its service time



Enhances Network performance and improves the quality of telecommunications;

## PROTECT YOUR INVESTMENT BY COMMITTING TO A GREENER TELECOM

Green Low-Carbon Operations aligned with optimal performance and increased capacity, enticed inMobles to introduce the EOS, the first solution to find the right balance of network performance and energy performance/ efficiency as data traffic grows and new services are introduced. The multi-dimensional system employs advanced algorithms that can minimize energy consumption, reduce operational costs, reduce RAN Energy bill



EOS utilizes a Three Dimensions Analytics approach to analyze the network from three different perspectives



## LIVE POWER INPUTS

- Smart meters are installed in every site.
- Power measurement are regularly reported to EOS centralized consumption center (CCC)

## UP TO 97% LESS POWER CONSUMPTION AT LOW TRAFFIC

- Micro sleep Tx
- Deep sleep
- Traffic-aware network services operations