

5G Seizing **cost reduction** opportunities in mobile sites

5G

RAN cost for an established operator goes up by 15% to

65%

Higher energy costs than in 4G can grow up to

140%

Energy consumption constitutes to network OPEX between

20-40%



↓1-3% energy consumption by **IoT-based** sensors for controlling site temperature

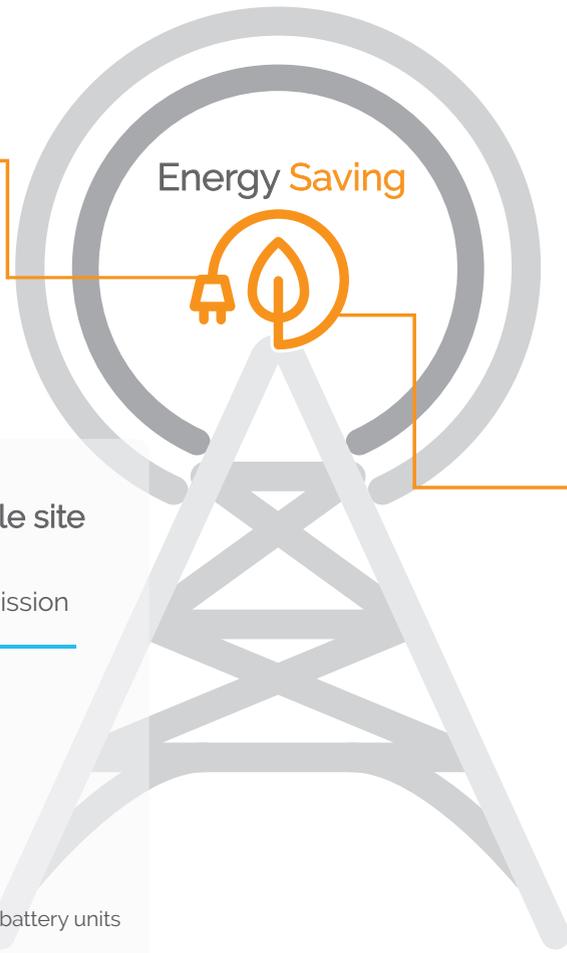


Energy consumption of mobile site

60% on radio access transmission

15% on data transmission

85% waste on **Heat loss** in power amplifiers
Equipment idling when no data transmission
System inefficiency e.g. rectifier, cooling system, battery units



Comba's RRUs with



GaN technology (GaN - gallium nitride)



Advanced digital processing
Dynamic power tuning

can achieve up to

55%+

Power amplifier (PA) efficiency

31%+

RRU efficiency

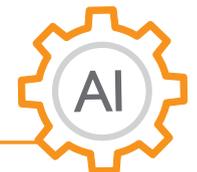
↑3%+ energy savings

by structural and architectural **transformation**



↑5-7% energy savings

by **AI tools** e.g. smart sleep and shutdowns



Sources:

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Contact our representatives for more information. <https://www.comba-telecom.com/en/openran-solutions>

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