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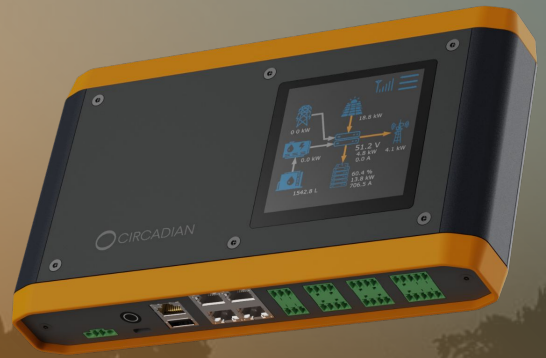
Optimizing and decarbonizinging Africa's C&I microgrids through edge computing

June 20

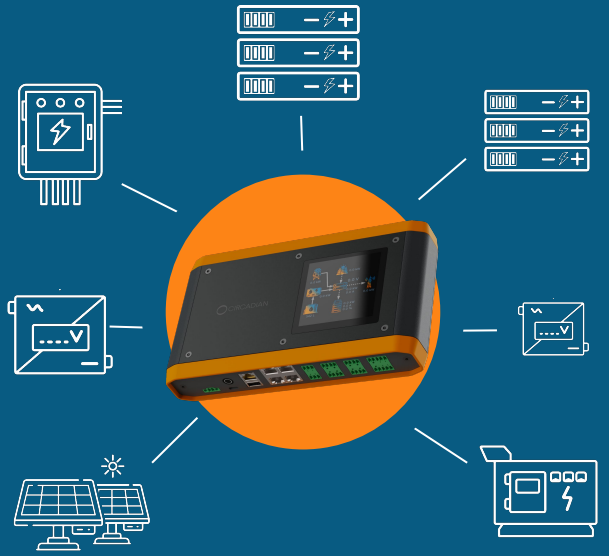


The urgent market opportunity

Diesel plug and play solutions outmoded and inefficient

Fuel prices have doubled

Now businesses need data driven microgrids



Decarbonization requires Digitalization

The gateway to the energy transition

The job of meeting Commercial & Industrial demand for decentralized energy falls on Energy Services Companies (ESCOs)

They develop, finance, commission, and operate & maintain renewable energy for offices, factories, telecom towers

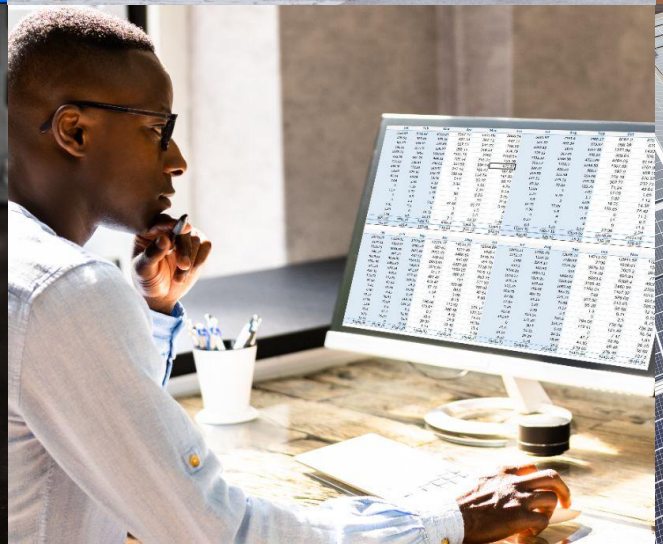
ESCOs need:

Lower customer acquisition cost

Higher customer lifetime value

JAKSON
SilentPower

FLUKE 1730 ENERGY LOGGER



Digitization with Edge Computing

End to end platform enabled by our energy management hardware.

Pre-Commissioning

Reduce CapEx

- Right-sized solar and storage designs with energy audits captured by IoT power logger

Commissioning

Reduce Time to Market

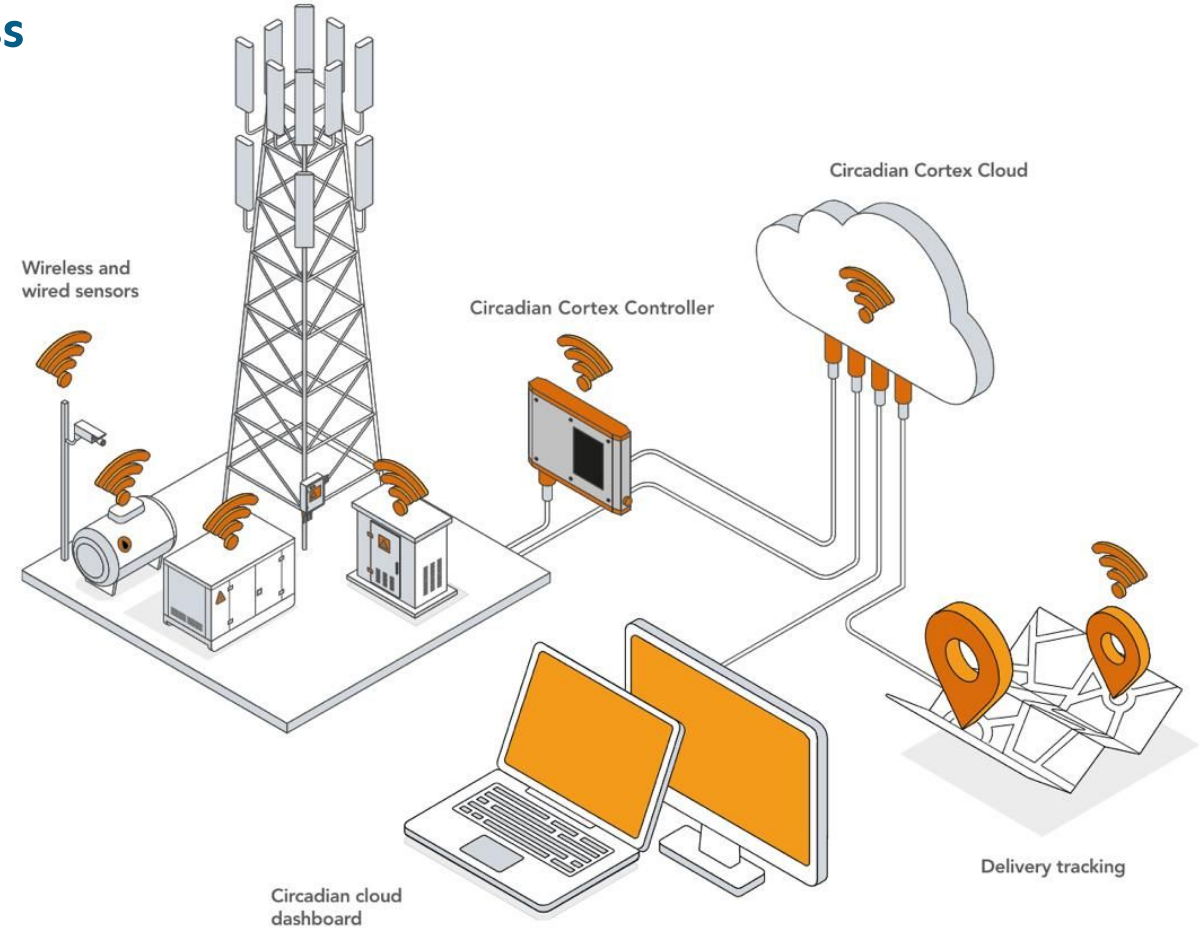
- Shorten installation time of complex hybrid systems with Cortex Controller
- Enable microgrid interoperability with the Circadian App

Post-Commissioning

Reduce OpEx

- **Reduce fuel consumption by 15% through generator & battery optimization**
- Minimize site visits with predictive maintenance

Digitalization across the value chain

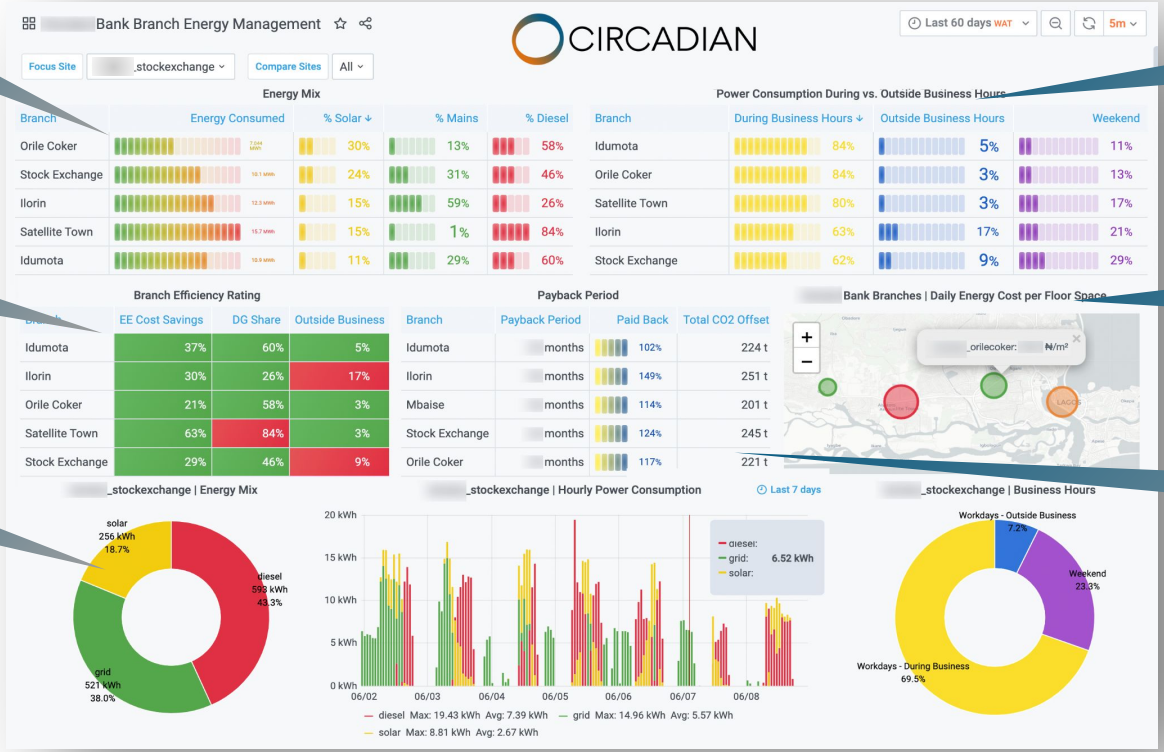


Transforming Businesses through actionable energy intelligence

Gain a 360 real-time overview of all sites under management

Benchmark sites, identify best-practice locations

Monitor and optimize energy mix to drive adoption of renewables



Analyze and improve day-night patterns, reduce outside-business use

Drill in to KPIs relating energy use to productivity

Simplified ESG reporting for stakeholders

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Case study

Reducing OpEx for telecom towers

Angola Case Study

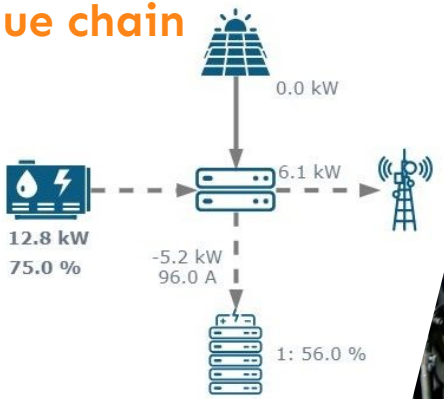
Faster deployments and more profits for Angola's telecom tower operator.

Solutions across the value chain

> Commissioning

> Compliance

> Asset management



Genset usage optimization

with 15% fuel savings, 3000L/yr

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Questions?

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