**Blackmon Power Fast-Tracks Asset Monitoring with Flir i65 and Condoit App**

*Charlotte-based testing company slashes reporting times from 12 hours to five minutes with a connected, cloud-first workflow*

**City/Country, Date –** In the high-stakes world of electrical testing, speed and accuracy can make all the difference between preventing an outage and reacting to one. [Blackmon Power](https://www.blackmonpower.com/), a leading electrical power quality and testing company based in Charlotte, is showing just how transformative the right technology can be.

By combining [Flir](https://www.flir.com/)’s new [i65 thermal imaging camera](https://www.flir.com/instruments/ixx-series/?utm_source=ixxstory&utm_medium=article&utm_content=ignore&utm_campaign=global.all.solutions.cm-prem.t.article-ixxstory.glob-ins-mkt--me.avalanche--leadsimported.ignore) with the [Condoit electrical data platform](https://www.condoit.io/), the company has overhauled its asset monitoring and reporting process – cutting turnaround times from 8-12 hours to less than five minutes. The result: faster workflows, fewer errors, and smarter decision-making for customers.

**Modernizing a Manual Workflow**

Until recently, Blackmon Power’s technicians followed the same time-consuming process familiar to many in the industry: capture thermal images, store them on SD cards, transfer the data to spreadsheets back at the office, and manually generate reports.

“The biggest time constraint was always back-end reporting,” recalls Tyler Grant, Project Manager at Blackmon Power. “We knew that a more advanced thermal camera and data app could save time and money – for both us and our customers.”

A small 10-15 component inspection typically took two hours to report. Larger jobs could demand an entire workday. For some projects, reporting alone consumed up to 30% of total job time, cutting into margins and slowing response times.

**The Flir + Condoit Advantage**

The solution came in the form of Flir’s i65, a next-generation thermal camera from the iXX-Series, and Condoit, a cloud-based electrical data platform.

The i65 pairs infrared imaging with smartphone-like functionality, while Condoit offers automatic single-line diagram generation, NFPA 70B-aligned maintenance workflows, and a customer visibility portal. Together, they enable real-time data capture, instant cloud sync, and automated reporting – a far cry from spreadsheets and manual uploads.

**Proving Ground: Kings Mountain Data Center**

Blackmon Power put the new workflow to the test at the Kings Mountain Data Center Campus for T5 Data Centers, a flagship 60 MW facility billed as Carolina’s only “FOREVER ON” data center. The Phase I delivery of the new project is scheduled for 2026.

Technicians scanned electrical distribution assets using the i65, identifying temperature anomalies that could signal loose connections or faulty equipment. Each scan took just 15-20 seconds, with data uploaded automatically to the cloud.

Previously, reporting might take half a technician’s time. Now, with the Flir–Condoit platform, that figure drops close to zero.

“Using the i65 and Condoit app is a total gamechanger,” Tyler says. “I've been doing this job for over a decade, and it’s never been this easy. Reporting has moved from the office to the field. What used to take us 12 hours now takes five minutes.”

**Twice the Speed, Real-Time Collaboration**

The Condoit integration connects wirelessly with most Flir cameras, doubling the speed of traditional thermography workflows. There’s no manual image sorting or software juggling; everything syncs instantly to the cloud.

Field teams and office engineers can collaborate in real time, while customers gain secure access to their data through Condoit’s online portal. For clients like T5, which manage multiple facilities, this centralized visibility makes it easier to track electrical system health across entire property portfolios.

**Bridging the Skills Gap**

With nearly 60% of inspection teams reporting a shortage of skilled thermographers, the platform’s guided workflows help less experienced technicians perform expert-level inspections. Blackmon Power can now also collect baseline data for all components without passing on extra costs to customers.

“Before, collecting non-problematic data was too expensive for most clients,” Tyler explains. “Now, it’s simple and fast. And because field technicians can input data in real time, errors have dropped dramatically.”

**Setting a New Benchmark**

For Blackmon Power, the impact goes beyond speed. The integrated platform improves data accuracy, enhances transparency through customer portals, and sets a new standard for reporting quality.

“The Flir i65/Condoit platform puts our team light years ahead of the competition,” Tyler concludes. “It’s cleaner, faster, and better for our customers, with great reporting on the back end. What’s more, with the i65 we don’t need a separate smartphone or digital camera. This is going to change our business for years to come.”

***About Blackmon Power***

Blackmon Power is a Charlotte, NC-based provider of electrical power quality testing, commissioning support, and arc flash studies for industrial, commercial, and mission-critical facilities. The company helps clients prevent outages and ensure reliable power distribution.

***About Flir***

Flir Systems, part of Teledyne Technologies, is a global leader in thermal imaging and sensor technology for industrial, commercial, and defense applications.

***About Condoit***

Condoit is an electrical data platform that modernizes field workflows, offers real-time visibility into asset conditions, and supports NFPA 70B-aligned maintenance through mobile and cloud-based solutions.