

## How Edison helped leading French e-bike manufacturer to launch a range of high-performance e-bikes



Our customer is a leading French e-bike manufacturer who has produced e-bikes for novices and champions and distributed it in more than 20 countries over the last 10 years. They specialize in the design and development of electric dirt and trail bikes.

### THE CHALLENGE

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*“While building our new range of electric dirt bikes, we found battery testing cumbersome and time-consuming. That’s because we were using Excel which didn’t give us the desired analysis of battery data.” - Customer*

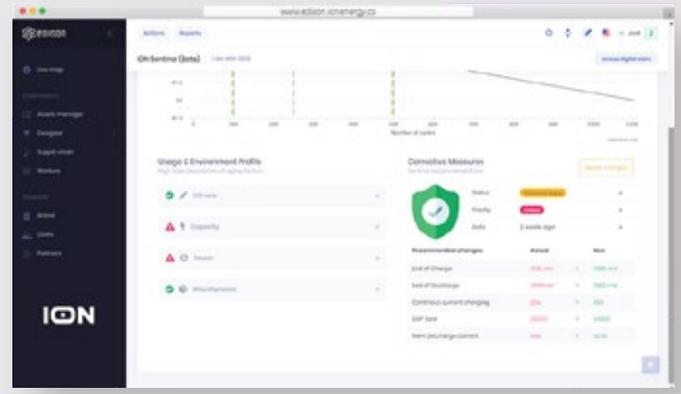
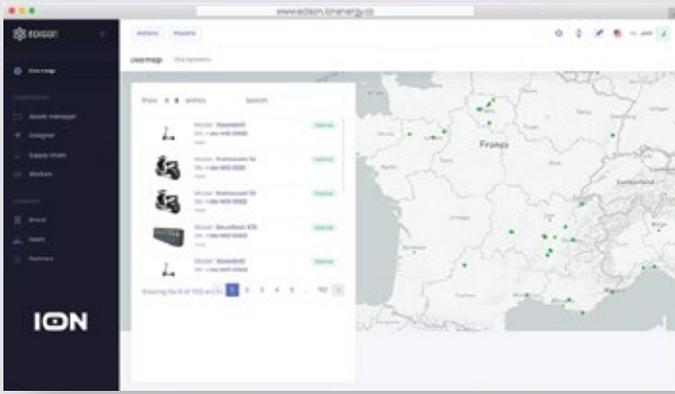
With only a few weeks until the launch, the QA team spent a considerable amount of time testing the batteries. When this problem was identified, they found that engineers spend on average 3 hours to collate and prepare the data after each test. This became serious when senior managers got involved. Further, they found, the data to be incomplete or inconsistent with their observations. They realized that general-purpose spreadsheets didn’t make the cut for Battery Analytics and were looking for a better solution.

### EDISON ANALYTICS

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Having been their trusted partner for Battery management systems, this was a perfect opportunity for Edison to work its magic!

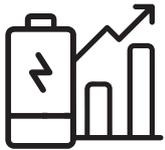
ION’s battery lifecycle management platform Edison Analytics leverages advanced data science, machine learning, and AI to make sense of battery data and derive valuable insights that can considerably improve the battery life, and reduce the overall ownership cost.



With Edison, the customer was able to access a visual, real-time dashboard that highlighted the performance of each parameter with the ability to optimize, accelerate and configure tools better.

Edison enabled them to make changes in the systems, identify patterns and correlations using historical data, predict possible downtime/degradation, set custom alerts, get diagnostics, insights and recommendations, that helped improve battery performance and uptime.

## The EDISON Experience



Improved battery uptime



Identified and fixed errors/delays



Helped set predictive alerts



Protected the battery against improper/insidious use



Offered highly flexibility with over 170 configurable parameters



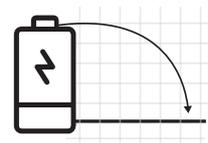
Single touchpoint for configuration management



Let the user send over-the-air updates, remotely



Helped with simulations for pre-deployment testing



Machine Learning helped prevent abnormal battery degradation

## CUSTOMER TESTIMONIAL

"We're thrilled with the response to our launch! Edison was a game-changer. We found it to be an extremely reliable battery intelligence platform. We've seen compelling improvement in battery performance and uptime. Edison gave us meaningful insights and recommendations in real-time, and as ION promised, zero-downtime."