VOLTAIQ

The key to avoiding costly launch delays? A battery EKG.

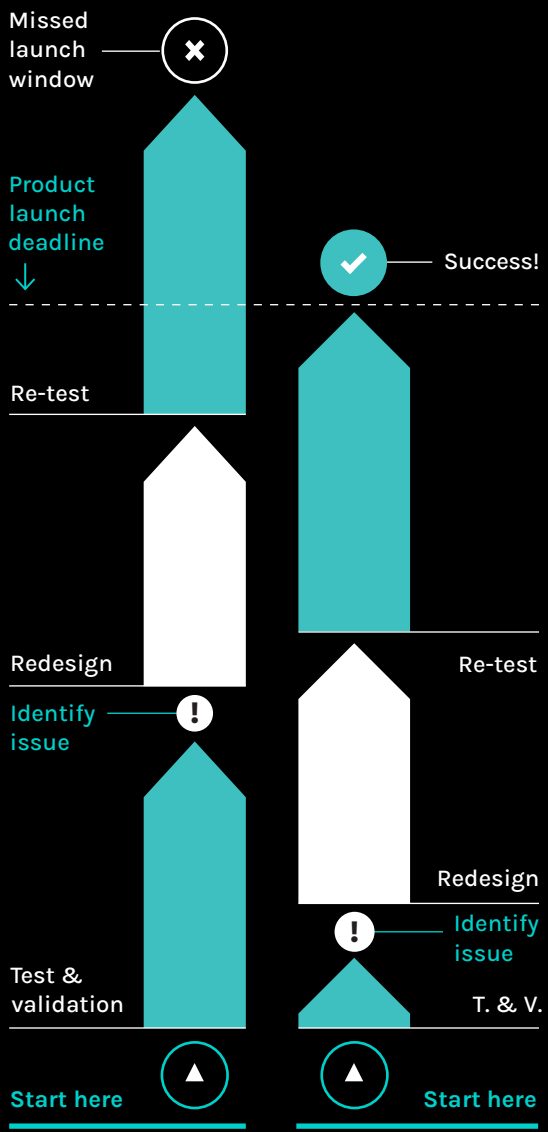
Every battery has a heartbeat – allowing you to detect early signs of impending malfunction.

A key to understanding the health and vitality of a human heart comes from identifying deviations from the signals it emits while pumping blood through the body – *thump-thump*. The earlier that doctors can identify abnormalities and aberrations in the pattern, the more likely they can successfully intervene. The right tools definitely help – a stethoscope, blood pressure cuff, or, for fine-grain analysis, an EKG.

The same holds true in batteries. Like the human heart, a battery produces a signal with every charge and discharge. Voltaiq Enterprise Battery Intelligence provides the equivalent of an automated, 24/7 cardiologist constantly assessing a real-time EKG.

IDENTIFY PROBLEMS EARLY

Voltaiq Enterprise Battery Intelligence provides a real-time look into battery behavior, enabling you to spot and correct anamolies early – and launch on time.



Typical Scenario
Pack fails qualification – product misses launch window.

EBI-Optimized
Voltaiq detects qualification failure early – product launches on time.

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This empowers your battery engineers to immediately identify any signals of trouble long before they become serious – and remedy the issue so you can hit your launch window and get your product to market on time.

Product delays are no joke, especially when they're caused by battery irregularities spotted late in the development or testing process. They can hit every industry, from consumer electronics to medical devices and EVs. Millions or even billions of dollars are at stake – not to mention secondary brand damage.

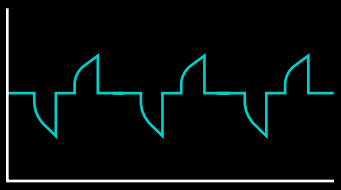
Having the right tools in place to determine battery health can avoid such delays and costs. This enables organizations to course-correct through every phase of design, development, and testing. Our EBI platform also speeds the process of discovering and analyzing novel manufacturing processes.

New, innovative approaches are constantly emerging with promises to make batteries more efficient, charge faster, and last longer. No other analytics suite can work as quickly or effectively to separate viable ideas from dead ends.

Batteries are complex and risky, but our platform gives you the clarity so you can sleep at night and launch your products on time. EBI provides an obvious cost savings as well as an enormous advantage to any company racing to beat its competitors to market. ●

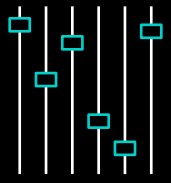
HOW A BATTERY EKG WORKS

Like the human heart, a battery emits a distinct pattern during normal functioning. We identify aberrations and abnormalities to quickly assess problems and suggest remedies.



Monitor charge/discharge patterns
We establish a baseline pattern during normal charge/discharge cycles.

Scan for deviations
When a deviation from normal patterns occurs, we search for potential causes.



Intervention
We recommend corrective actions for how to tweak the materials and processes – potentially saving you millions or even billions.