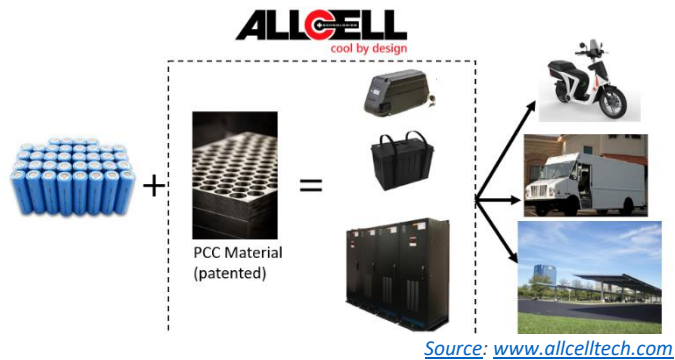




AllCell Testimonial for Astrolabe Analytics Software

AllCell Technologies, LLC specializes in the design and manufacture of Li-ion battery packs for mobility applications with improved range, performance, life, and charge time. The company's patented thermal management technology is based on the use of Phase Change Composite (PCC) material to surround each lithium-ion cell, absorbing and conducting heat away to dramatically extend the life of the cells and prevent fire or damage to the battery.



In order to evaluate the safety and performance of their battery products, AllCell's R&D team has up to 100 cells cycling simultaneously. Reference performance tests (RPTs) are conducted to track battery aging, degradation, and power capability over extended cycling test protocols.

However, pulling out the relevant data from the RPTs is an arduous process. Many battery teams use Excel VBA macros as the status quo to get the job done, but these macros are fragile and often crash with larger datasets. Further, only one RPT can be processed at a time – and when each test takes 5 minutes and up to several hours to complete, this becomes a mind-numbingly tedious bottleneck.

To address this, AllCell adopted Astrolabe's platform to automatically upload and process entire batches of test data. The platform lets scientists and engineers upload battery cell data from arbitrarily many test channels, parses the data, and runs predetermined scripts to punch out the critical figures of merit from each test.



"I'm saving 5 hours per week with Astrolabe's RPT reporting service. It's a much more user-friendly 1-step process to get all our RPTs together. Now I can reinvest that extra time for higher level thinking on our internal product development projects."

[Sam Plunkett, R&D Engineer](#)
[AllCell Technologies, LLC](#)

To learn more about Astrolabe and test-drive our software please visit:

Website: www.astrolabe-analytics.com

Free trial: <https://www.app.astrolabe-analytics.com>

User Onboarding Video: https://youtube.com/watch?v=H1aika-ol_0