uncountable

BATTERIES

Solve End-to-End Battery Production

Unify lab workflows, sample tracking, and scale-up data for next-generation battery materials. Uncountable streamlines barcoded sample tracking from raw material to result, preserves full instrument data, and carries context from early experiments through multi-million-dollar scale-up.

Deployed by battery and advanced materials developers globally

Mitra Chem · Group1.ai · ROGERS CORPORATION · DUPONT · nanoOne · AGC · CABOT · 6K

What It Drives for Battery Development

From synthesis through cycling, and from bench-top through pilot-line, every data point stays connected.

$100M
DOE-funded manufacturing expansion supported
Mitra Chem

Day 1
traceability, before the lab was operational
Mitra Chem

"Uncountable has been instrumental, providing rapid insights and fostering swifter, more transparent learning."

Alexander Girau, Co-Founder and CEO, Group1

From Raw Material to Scale-Up, Connected

Track analytical testing and battery testing together
See how material and process changes, measured by PSD, ICP, XRD, or TGA, impact cell performance.

Keep the testing context until results come back
Battery testing can weeks or months. Preserve the context of what you tested and why to ensure the e-chem results are actionable

For materials and advanced-materials teams
Formulation and process first from bench-top to pilot-line. Battery testing is just one more form of analytical testing.

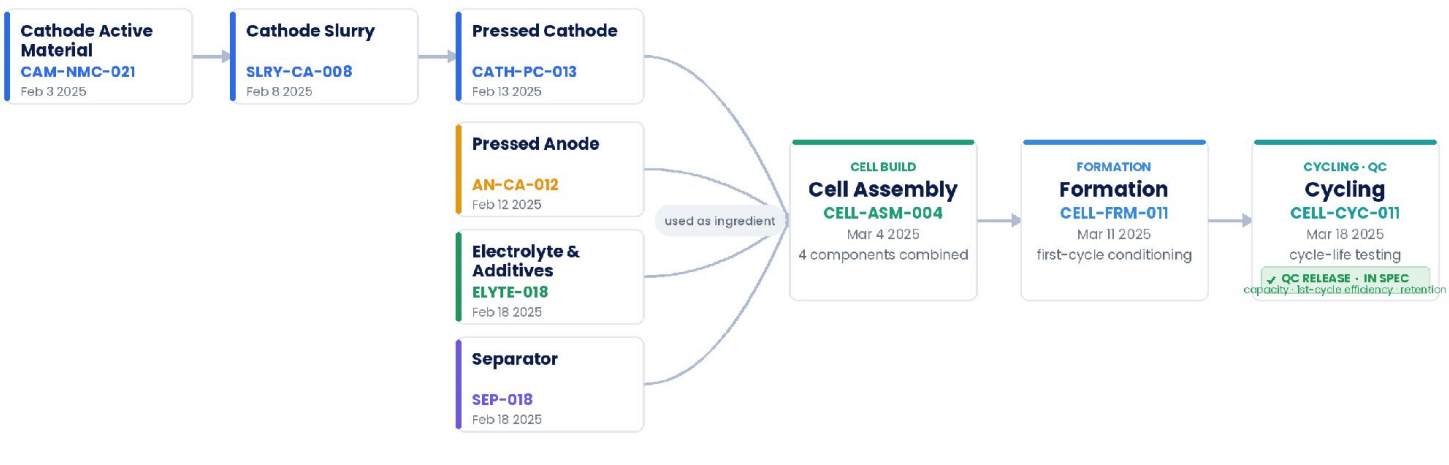
For cell manufacturers
The through-line from materials characterization to electrochemical performance, in one place, for every build.

Structure first, AI second
Models learn from your own formulation, process, and cycling data to rank the next builds. Not a generic model.

Scale-up that holds
Early-stage learnings carry from proof-of-concept through multi-million-dollar scale-up, not lost in spreadsheets.

Raw Material to Result, on One Record

A barcoded workflow tracks every sample from raw material through cycling.



Before and After Uncountable

From spreadsheets to unified workflows
Builds and cycling data move from scattered files to one connected record with full traceability.

From manual to barcoded traceability
Every sample tracked from raw material to result, not logged by hand.

From lost links to connected data
Structure-process-property relationships stay connected, ready for machine learning.

From repeated experiments to reusable history
Every build, formulation, and result is searchable, so teams reuse past work instead of re-running it.

From point tools to one platform
R&D, materials characterization, and QC on one record, not stitched across systems.

From guesswork to real AI
Machine learning trained on your own structured history, not a generic model.

"Uncountable saves us hours each week by eliminating manual data handling and simplifying collaboration." Marie Herring, Engineering Manager, Mitra Chem

See It on Your Own Battery Data
Book a personalized demo and we'll show you how Uncountable applies to your battery R&D.

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