astrolabe analytics

accelerating battery innovation

Robert Masse, CEO
robert@astrolabe-analytics.com

Seattle, WA

Mission

To accelerate battery innovation

Electric Cars

Electric Planes

Grid storage

First-order Problem

+25% of battery R&D time lost to tedious data chores
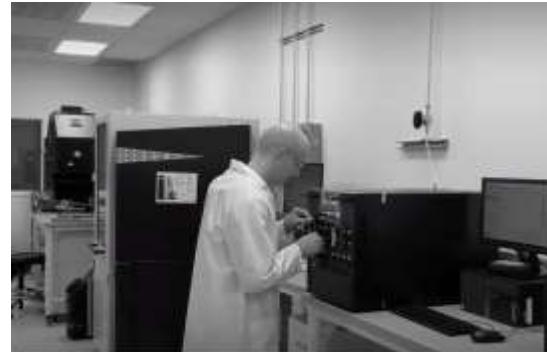
Management Team

Robert Masse, CEO
PhD Candidate,
Materials Science

Brian Goodall, CPO
Software developer,
battery expert

**Dan Ulery, VP Software**
Experienced software
developer

Nick Webb, CIO
Experienced IT
business executive

Prototype Solution

Status Quo battery testing data management

Astrolabe Analytics battery testing data management
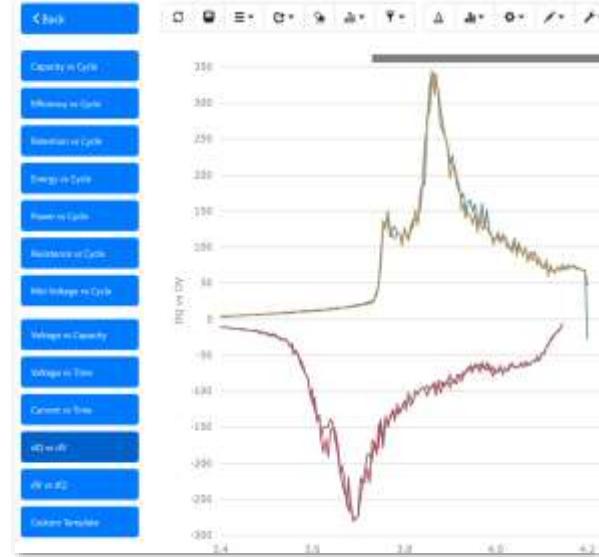
Phase 1 – Workflow Tools

Routine Analysis

Automated data cleaning, conversion, and export

Metadata management and queries

Differential capacity

Automated processing of HPPC, Rate Performance Tests
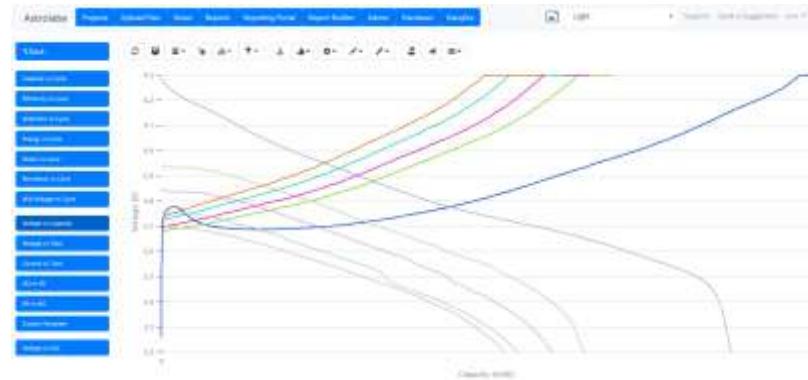
Interoperability

Supported:
   Arbin
   Maccor
   Neware
   Landt
   BioLogic

Under Development:
   Admiral Instruments

Flexibility

Cloud
Easiest for continuous updates and deployments

Lower Total Cost of Ownership

On-Premise
More complicated...

But in our wheelhouse if required for data security

www.redwireservices.com

Phase 2 – Advanced Analytics

## Coming Soon!

Custom Scripting

Python API

EIS

Integration with other processing data streams

Early Win

**2-3x testing throughput**

Automated ETL w/ internal database

Automating HPPC, DCA, other Pb-acid testing
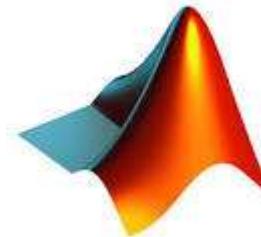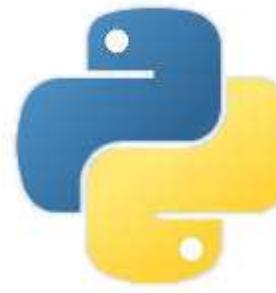
1st Customer

Seattle, WA | Subsidy of BASF
Carbon materials for energy storage applications

Demo Available Now

Free Trial at
https://app.astrolabe-analytics.com
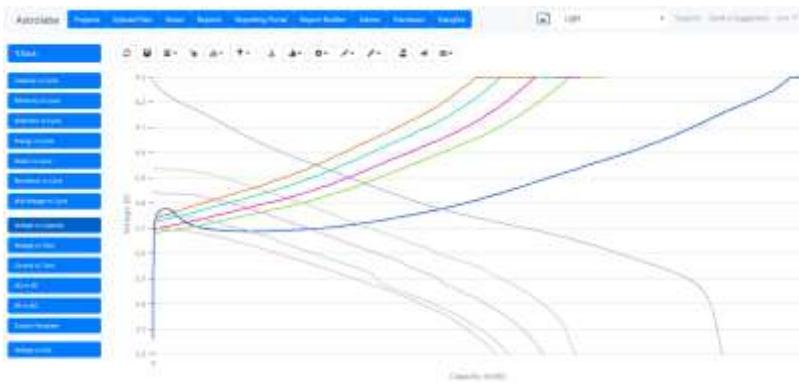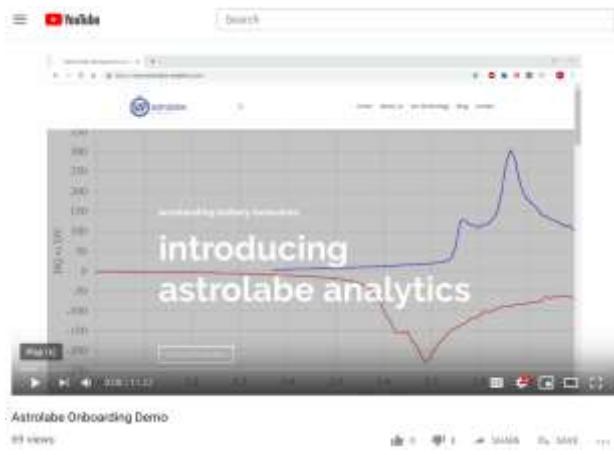

10-min Tutorial Youtube "astrolabe onboarding"

2nd Date?
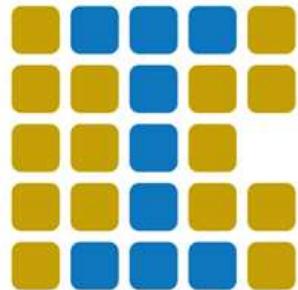
March 31 – May 17, 2019

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