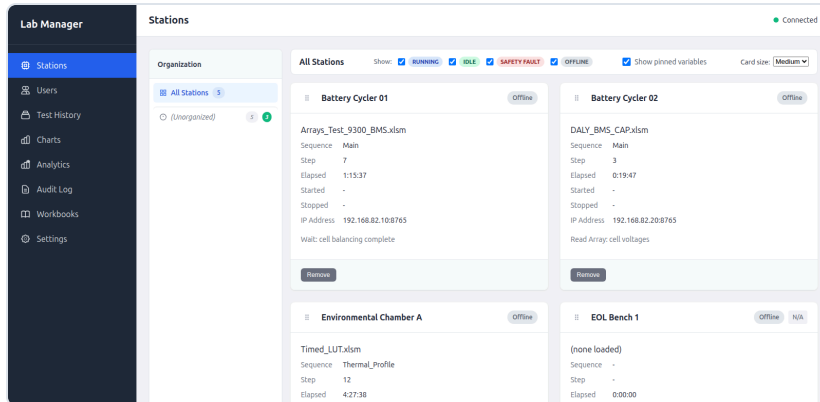


MULTI-STATION DASHBOARD

Lab Manager — the whole lab on one screen

Lab Manager connects to every EBE Test station on your network and streams live status to a central dashboard — which tests are running, where, and how they are doing — with remote control, history, analytics and an audit trail.



Lab Manager — Stations view with live cards for battery cyclers, an environmental chamber and an end-of-line bench

At a glance

- Real-time station cards over WebSocket: workbook, sequence, step, elapsed, status
- Filter by Running / Idle / Safety fault / Offline; pin the variables you care about
- Remote run control for engineers who aren't standing at the rack
- Test history, charts and analytics at the lab level, not just per bench
- Users, roles, workbook distribution and audit logging

What it does

Visibility

- Organize stations into groups; card size and pinned variables per view
- Safety-fault status surfaces immediately across the lab
- Test history with results and logs for every run on every station
- Charts and analytics across stations, workbooks and time

Control & governance

- Remote start / stop and workbook load on stations you are authorized for
- Central workbook library: distribute a validated version to every station
- User accounts and roles; JWT-secured station agents
- Audit log of who ran, changed or stopped what — and when

Deployment

- Server runs on your network — a FastAPI + WebSocket service on a standard Windows PC
- Each EBE Test station runs a lightweight agent; six-station labs run today
- Browser dashboard; no client install for viewers
- Text alerting on failures for overnight and unattended runs

"From one bench to a room full of stations, Lab Manager keeps the whole picture in view."

Engineers see safety faults the moment they happen, managers see utilization and history, and operators keep working at the rack.

In the suite

EBE Test
every station streams status here

Sequence Editor
workbooks are distributed from here

Prompt Builder
pinned variables come from the display bindings

Lab Manager
Lab dashboard

EB Playback
open a run's log for review