

WHAT WE DO

Catch defects 3 weeks earlier — before scrap compounds.

Connect process history, lot context, and quality signals into earlier risk.
Built for Na-ion and Li-ion production. Pilot-first deployment, 6–8 weeks.

PILOTS & VALIDATION

Detect defective cells from the first 100 cycles — weeks before downstream QC.

Outperforms generic AI by 30–150× — built for battery physics, where Chronos zero-shot (AWS) saturates.

Validated on 5 public benchmarks · 4 labs · 3 chemistries · single hybrid model, no retuning per line.
Beats Severson 2019 (Nature Energy) on the primary cycle-life benchmark — 8.9% vs 9.1% published.
Single-digit median error on 4 of 5 benchmarks across LFP, LCO, NMC.
Pilots in progress with UK Na-ion and Li-ion partners — 2026.

TEAM

Linda Hong Cheng — Founder & CEO. Oxford AI/ML, Clarendon Scholar, BBC-featured.
Qing Chen — Founding Tech Lead. ex-Tesla Battery AI Engineer.
Dr. Bruno Andreis — Battery & AI Fellow. Oxford materials PhD + postdoctoral fellow.

ADVISORS

Battery Process Modeling Lead — Computational mechanics & ML (Grenoble lineage).
Rebecca Fayad — 2026 Global Future Energy Leader, World Energy Council.
Lead Architect, ChronosFM at Amazon Web Services.

READS FROM

AVEVA PI System · Siemens Opcenter · Aspen InfoPlus.21 · Ignition · custom historian and CSV exports.
Process data stays in your environment. On-premises and private-cloud deployments supported.

ECONOMIC ANCHOR

~€10M / yr per 1-point yield gain at 40 GWh scale.

Yield improvement is also a critical-mineral-efficiency lever — directly relevant to EU Battery Regulation traceability and UK su