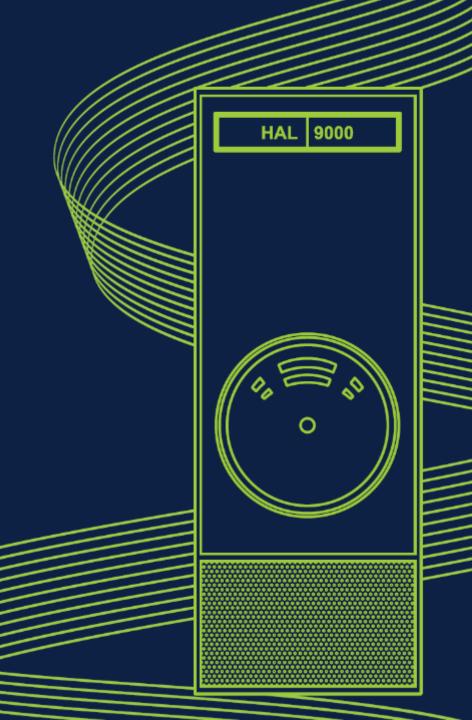


Member Update 19th February 2025 Shawn Murphy – CEO / CTO



System Deployments

Production-Scale Atlas is Fully Operational

Integrated MES

- FN <1% FP 3%, translating: only one cell in a million will be False Negative (FN)
- >97% Production up-time
- Plant Integration was completed within 3 month
- Pouch/cylindrical systems in development

Services and Capabilities

Al-enabled platform providing unprecedented visibility into battery health and production quality

 Scalable AI models enabling 99.999% accurate prediction

- Services:
 - Cell Conformity
 - Cathode Misalignment
 - Gas detection (surface, interlayer, inter-jelly roll)
 - Electrode Folds
 - Lithium Plating detection

Business & Strategy

Growing Number of Strategic Partnerships with Industrial Players

 Honeywell Partnership – MES integration, manufacturing, and strategic alignment.

- Siemens Partnership MES integration, PLC, and strategic alignment.
- 4+ Pilots planned for 2025, expansion to Asia
- Multiple production-scale Atlas systems to be deployed H2 2025

Titan's Atlas 12 GWh Scanning Station Deployed Oct '24









Defect Detection for Gigafactories Digital Teardown™ of Every Cell

First 6K -10K high-resolution ultrasound inspection system for battery cell manufacturing

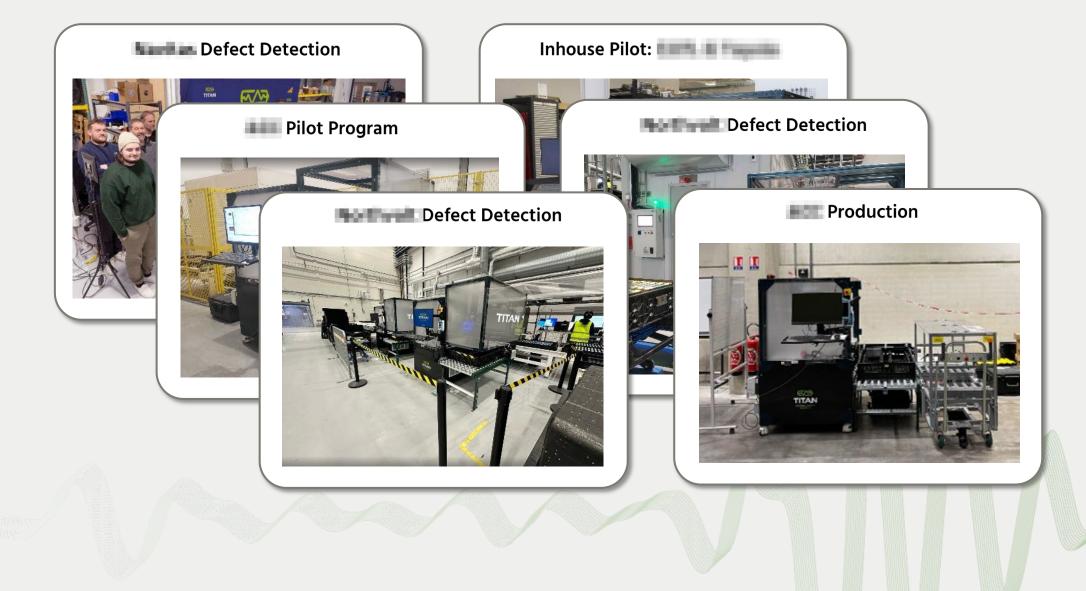


- Average 6K to 10K pixels per cell
- 45-60 ppm (parts per min) or 1s / scan
- Cell chemistry agnostic (NMC, LFP, Metal Li)
- Real-time data analysis
- MES integration (Siemens, Honeywell)
- Services Available:
 - Conformity index
 - Layer misalignment
 - Electrode Fold detection
 - Gas detection and identification
 - Wetting
 - Particle contamination
 - Moisture contamination
 - Lithium Plating / Delamination
 - CAPA Management (Digital Teardown)
 - Battery Passport (Birth certificate)

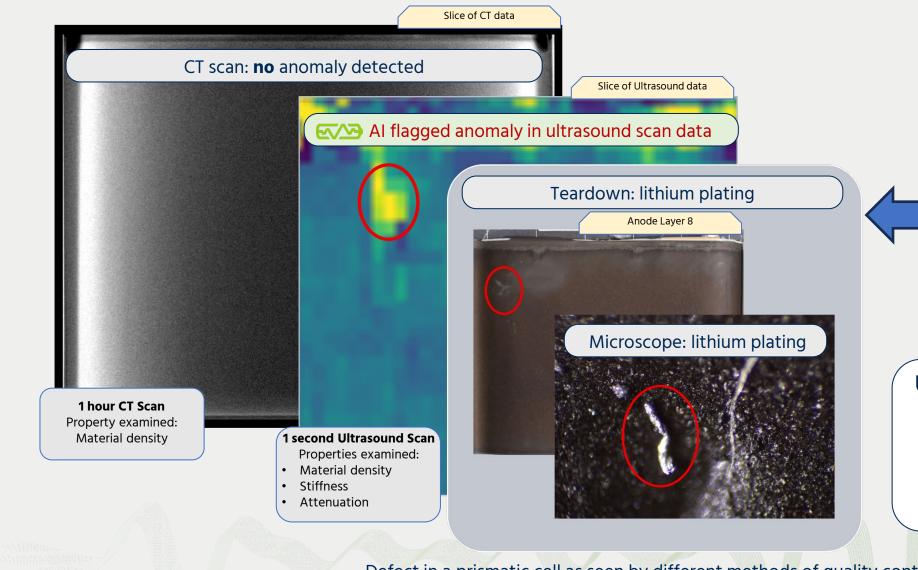
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* Customers' names obfuscated for privacy

4



Inline Hi-Resolution Scan Example: Lithium Plating



Titan's lonSight inspection platform detects a wide range of defects, including:

- Debris
- Delamination
- Dry & Inactive Zones
- Layer Misalignment
- Lithium Plating
- Residual Gas
- Separator Tears
- Wrinkles

Ultrasound outperforms CT in both the quality and volume of data collection, enabling defect detection at production speed.

Defect in a prismatic cell as seen by different methods of quality control

DARK SIDE OF THE SCAN

