



CASE STUDY

# 0 Delays. 100% Compliance.

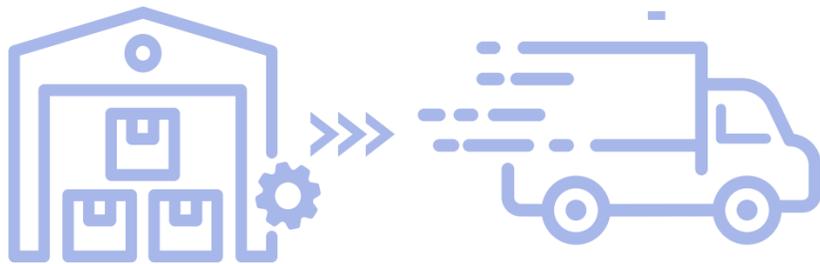
How a Tier-1 battery leader protected OEM programs and renewals with ARVO.

Authenticity Verified

 Zero Downtime



# The Challenge: Supplying Multiple OEMs



"Meeting diverse global standards  
without compromising speed."

A Tier-1 battery manufacturer serving multiple global OEMs faced a critical balancing act.



### Provable Authenticity

Each battery unit required verifiable proof of origin and manufacturing standards.



### Lifecycle Visibility

End-to-end tracking from raw material sourcing to final assembly.

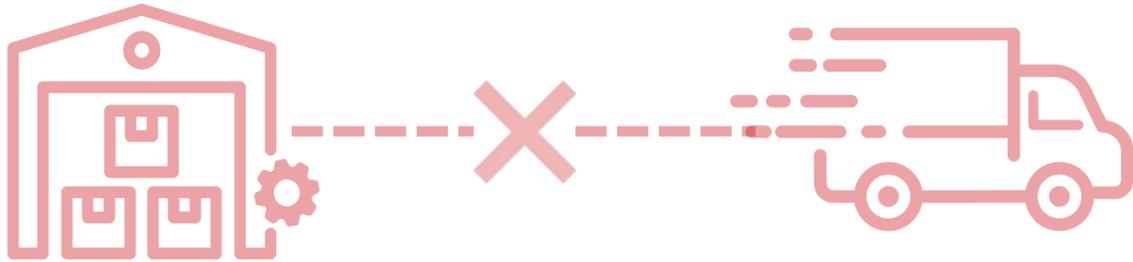


### Safety Documentation

Instant access to safety certifications for every individual serial number.

**⚠️ Constraint: Must not slow shipments or risk rejections.**

# The Bottleneck: Manual Reporting



"Finished inventory waiting for verification is revenue waiting to happen."

Compliance requests triggered a chaotic chain of manual tasks, creating critical bottlenecks in the supply chain.



### Manual Searches

Staff spent hours digging through disconnected systems to find data for specific serial numbers.



### Ad-hoc Reports

Every OEM request required building a new report from scratch, leading to inconsistency.



### Repeated Clarifications

Incomplete data led to back-and-forth emails, further delaying shipment approvals.

 **Impact: Slow, inconsistent, and stalled inventory.**

# The Barrier: Battery Pack Aadhaar



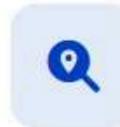
"Expectations moved from static labels to verified digital records."

The manufacturer needed fast, reliable traceability aligned to new requirements without adding operational burden.



### Verified Digital Records

Transitioning from physical stickers to immutable, cloud-based digital identities.



### Reliable Traceability

Instant alignment with "Battery Pack Aadhaar" tracking standards.



### Operational Efficiency

Implementing compliance checks without slowing down the production line.

**⚠ Critical: Must not add operational burden.**



**STATUS** ✔ Verified

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**ID: A9F3K72M8Q4X1B6R0D5ZC**

Origin: Plant A • Batch 42

## THE SOLUTION

# The Fix: A Digital Passport for Every Battery

ARVO replaced cumbersome paper trails with a secure digital passport. Every single battery unit received a unique digital identity, permanently tied to its physical serial number and ready for instant verification.



### Unique Identity

1:1 link between physical asset and digital record.



### Secure Record

Tamper-evident history prevents unauthorized changes.



### Instant Verification

Real-time data access for compliance checks.



### Paperless

Eliminated manual filing and lost documentation.

# 360° Visibility: From Factory to OEM

ARVO captures end-to-end lineage from raw material sourcing through final assembly and shipment. Every event is recorded and tamper-resistant.



**Sourcing**  
Raw Materials

**Assembly**  
Manufacturing

**Validation**  
Safety Checks

**Logistics**  
Transit Data

**OEM Handover**  
Instant Approval



**Immutable Record**  
Blockchain-backed



**Real-time Sync**  
0s Latency



**Unique Identity**  
Serial Linked

# The One-Scan Advantage Instant Transparency

Certifications, specifications, and safety evidence are available instantly—no back-and-forth. A secure QR scan reveals the verified record to authorized stakeholders, anywhere in the chain.



## Instant Access

Scan a code to retrieve full battery history in seconds.



## Proof of Safety

Direct access to safety certificates and test results.



## Anywhere Access

Works for stakeholders across the entire supply chain.



## Controlled View

Only authorized personnel see sensitive data fields.



# The Result: Frictionless Operations

Digital verification delivered hard wins across the supply chain.

## Faster OEM Approvals

**2s** ~~2-Days~~

VERIFICATION TIME

Verification time cut from days to seconds. OEMs validate authenticity instantly via digital handshake.

 Immediate Win

## Reduced Workload

**100%**

COMPLIANCE AUTOMATION

Automated compliance replaced manual data entry. Zero backlog of unverified inventory.

 Resource Saved

## Supply Chain Trust

**0** Incidents

QUALITY DISPUTES

Total transparency eliminated disputes on quality. One shared truth for Manufacturer and OEM.

 Risk Mitigated

“ When verification is instant and trusted,  
compliance stops being a cost center

and becomes a **delivery advantage**  
OEMs can depend on. ”

# Ready for Battery Pack Aadhaar at OEM Speed?

Remove manual compliance drag. Protect launch timelines and renewals with ARVO digital passports built for instant verification.

 [Book a Demo to Kickstart Your Passport →](#)

- ✔ Instant Implementation
- ✔ OEM Compliant Standard
- ✔ Secure Data Architecture