

# Welford IAG for Manufacturing

## Securing the Connected Factory: Continuous Access Integrity for Manufacturing



Manufacturing enterprises now operate across highly distributed and heterogeneous identity environments. As IT/OT convergence, cloud adoption, and IIoT accelerate, the traditional factory perimeter has effectively disappeared. This transformation has created a critical Identity Gap, the often invisible drift between authorised policy and the access that actually exists across the shop floor.

Managing this complexity requires more than a central platform; it demands Continuous Access Integrity, the ability to ensure that every access decision, at every moment, aligns with policy. Welford IAG moves manufacturers beyond reactive, point-in-time audits to a state of continuous assurance and operational readiness.

Welford IAG unifies Access Governance (JML), Privileged Access Management (PAM), and Identity Compliance into a single control model, enforcing Zero Standing Privilege across every identity, application, and cloud resource. Unique to Welford, the Continuous Reconciliation engine ensures that Approved Access continuously matches Actual Access in real time, eliminating access drift before it becomes risk.

### Key Solution Pillars



#### Zero Standing Privilege

Replace "always-on" access with Just-in-Time (JIT) approvals and automatic revocation to eliminate the standing attack surface.



#### Digital Supply Chain Governance

Automate the third-party JML lifecycle and capture immutable audit evidence for all vendor access events to protect factory uptime.



#### Safeguarding the Core (MES, ERP, & IIoT)

Secure critical production assets with built-in PAM, automated credential rotation, and "no-human reveal" machine identity protection.



#### Continuous Reconciliation

Compare Approved vs. Actual Access in real-time to detect and remediate unauthorized "access drift" on the shop floor.



#### Access Governance

- Access request lifecycle
- Approval routing
- Time-bound access
- Extension and revocation
- Approved entitlement inventory



#### Privileged Access Governance

- No standing privilege
- Linux access governance
- Password-free access
- Session visibility
- Privileged entitlement control



#### Identity Compliance

- Identity inventory
- Ownership checks
- Password and vaulting policies
- Unmanaged account detection
- Continuous compliance status



#### Policy Governance

- Access policy rules
- Violation detection
- Risk dashboards
- Remediation tracking
- Audit-ready evidence



#### Reconciliation

- Approved vs actual access comparison
- Unmanaged account discovery
- Matched and unmatched accounts
- Subsystem-level reconciliation
- Exception reporting



#### Certificate Governance

- Certificate request and approval
- Internal CA integration
- Issuance, renewal, revocation
- Expiry monitoring
- Machine identity governance

## Operational Excellence & The Last-Mile Gap

Manufacturing environments often rely on legacy plant systems that lack modern APIs. Welford IAG ensures these "disconnected" assets are never left ungoverned, providing a single control plane for the entire shop floor.

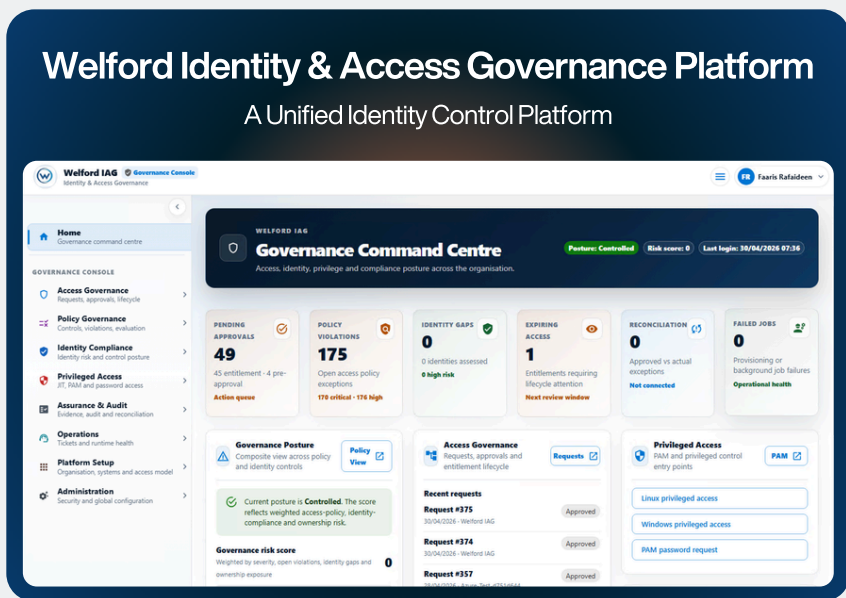
### Ticket Orchestration:

When direct automation isn't possible, Welford creates and tracks tickets in your ITSM tool, ensuring manual fulfilment is still governed and evidenced

### Risk-Based Approvals:

Route high-risk requests (like DBA access) through additional approvers, such as InfoSec, while allowing standard requests to flow through line managers

**Audit-Ready, Every Day.** Stop fearing audit cycles. Welford IAG provides **Point-in-Time** access views, allowing auditors to see exactly what access any user or machine had at any specified date and time.



**CONTACT WELFORD SYSTEMS TODAY TO SEE HOW WE CAN SECURE YOUR MANUFACTURING FUTURE.**

## Business Outcomes



### Eliminate Standing Privilege & Risk

Replace "always-on" access with Just-in-Time (JIT) approvals and automatic revocation to remove the attack surface for human and machine identities.



### Continuous Compliance & Audit-Readiness

Replace manual, periodic reviews with Real-Time Identity Assurance and continuous reconciliation to prove policy alignment and remain audit-ready at all times.



### Operational Agility & Workforce Productivity

Automate the JML lifecycle to ensure Day 1 productivity for the workforce while executing instant revocations to close security gaps without slowing production.



### Unified IT/OT Governance

Bridge the gap for legacy plant systems via Ticket Orchestration, bringing disconnected shop-floor assets into a single, auditable control plane.



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