



The Standard for Cleanroom Compliance:

100% automated garment tracking that ensures cleanroom compliance, accelerates operations, and eliminates procurement waste.

Are Manual Processes Costing You Yield?

-  **Compliance Risks:** Fails to monitor wash lifecycles, risking particulate contamination.
-  **Production Downtime:** Stock-outs force costly line stoppages.
-  **Asset Leakage:** High financial losses from shrinkage and untracked laundry vendors.
-  **Admin Burden:** Massive storage needed for varied sizes.

Measurable Result from Day One

- 100%** **Audit Readiness:** Guarantees absolute cleanroom particulate compliance.
- 90%** **Velocity Gain:** Cuts collection times to <10 seconds per worker.
- 30%** **Cost Savings:** 95% reduction in garment loss cuts annual procurement by up to 30%.

SIRI Transformation



Process (Band 2)



Technology (Band 2-3)



Organization (band 2)

Structured, technical, and actionable, designed to assure IT/OT stakeholders and drive next steps.

Built for Smart Factory



Modular Hardware: Smart Dispenser, RFID Return Bins, Bulk Scanning Cabins.

Zero IT Friction: Out-of-band 5G/LTE layer bypasses IT security re-audits.

Industrial Tracking: Passive UHF RFID tags withstand 200+ harsh washes.

Universal Integration: APIs sync with HR Access and Vendor Managed Inventory.

Centralized HMI: Web app with live transaction logs and compliance dashboards.

Flexible, Hybrid CapEx & OpEx Strategy

Designed to align with your facility's expenditure policies:



Hardware: Upfront packages tailored to specific gowning zones.



Software: Recurring annual SaaS fees covering cloud dashboards and support.



Consumables: Continuous replacement of industrial RFID textile tags.

What We Do ...

Founded in 2002, MPLEX Technology delivers custom industrial automation and smart tracking solutions. We empower SME and high-scale manufacturers to guarantee cleanroom compliance and optimize efficiency via secure IoT.

See the iSMS in Action



60 - Second Demo Video

Contact Us



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