

HCLTech AI Force.MedTech

AI native intelligence platform for regulated
product lifecycles



MedTech products are rapidly evolving into intelligent, software-driven, connected and data-rich systems. At the same time, organizations face growing pressure to accelerate innovation while meeting increasingly stringent requirements for regulatory compliance, product quality, cybersecurity and lifecycle excellence. Yet the critical knowledge needed to navigate this complexity remains fragmented across engineering, quality, regulatory and post-market functions.

Product is connected. Intelligence is not.

The result is limited visibility, slower decision-making, greater risk and missed opportunities to accelerate innovation and improve patient outcomes.

Our approach

Engineering continuous intelligence

We treat every product as a living system, continuously connecting requirements, software, hardware, risk controls, verification evidence, manufacturing knowledge and real-world performance across every stage of change. The result is a learning lifecycle where knowledge becomes reusable, intelligence remains contextual and compliance is embedded by design.

Make knowledge reusable

Convert engineering, regulatory and product knowledge into an enterprise asset that improves every subsequent decision.

Make intelligence contextual

Apply reasoning grounded in product configuration, clinical context, design rationale, standards and risk history.

Make trust continuous

Preserve evidence lineage and human oversight as knowledge is created, decisions are made and products evolve.

Introducing HCLTech AI Force.MedTech

HCLTech AI Force.MedTech is an AI-native lifecycle intelligence platform for regulated product lifecycles.

The platform combines domain-aware agents, contextual retrieval, connected product knowledge and governed reasoning to transform fragmented lifecycle knowledge into connected, trusted and actionable lifecycle intelligence.

What sets HCLTech AI Force.MedTech apart

Intelligence, engineered to regulated product truth

Domain-rooted agents

Reason across engineering, quality, regulatory, clinical and cybersecurity contexts.



Compliance-native workflows

Embed traceability, evidence generation and review controls within day-to-day engineering work.

Connected intelligence graph

Link requirements, risks, designs, tests, controls, changes, evidence and field signals.



Living product memory

Preserve product history, design intent, risk lineage, field insights and remediation knowledge.

Context-aware retrieval

Ground responses in product configuration, standards, design rationale and institutional knowledge.



Human-agent collaboration

Keep experts accountable for judgment while agents support reasoning, consistency, validation and remediation.

One intelligence foundation across the lifecycle

By connecting engineering, quality, regulatory, cybersecurity and post-market knowledge into an engineering intelligence layer, the platform empowers MedTech organizations to accelerate innovation, strengthen compliance, reduce the cost of quality and improve product and patient outcomes through better decisions across the lifecycle.

Where HCLTech AI Force.MedTech creates enterprise value

New product development

Reuse prior product knowledge, identify impacted evidence and improve decision consistency from concept through release.

DHF and risk management

Maintain connected requirements, hazards, controls, verification evidence and change impact across product variants.

Traceability and compliance readiness

Continuously assess completeness, evidence lineage and regulatory readiness instead of preparing only at audit time.

Cybersecurity lifecycle management

Connect threat models, security requirements, vulnerabilities, software changes and post-market remediation.

Sustaining engineering

Evaluate change impact across architecture, risks, tests, manufacturing evidence and submissions before implementation.

Complaints and investigations

Correlate complaints, device telemetry, lot context, service records and prior investigations to accelerate root-cause analysis.

Post-market surveillance

Move from complaint-dependent detection to integrated signal intelligence across field and operational data.

Intelligent test automation

Generate, prioritize and maintain test assets using requirements, risk, code and change context.

Delivering lifecycle outcomes

HCLTech AI Force.MedTech transforms how MedTech organizations create, use and scale intelligence across the regulated product lifecycle. By connecting knowledge, evidence and decisions across the lifecycle, it enables organizations to move beyond productivity gains toward measurable business and patient outcomes.



Accelerated

product innovation

Faster engineering decisions, enabling more products, changes and releases to move through the lifecycle.



Lower

cost of quality

Fewer escaped defects, lowering the cost of quality while improving product reliability, process efficiency and patient safety.



Continuous

compliance readiness

Faster evidence readiness, enabling continuous compliance and reduces the burden of audit and regulatory preparation.



Increased

engineering productivity

Lower testing effort, improving verification effectiveness and risk coverage.



Faster

post-market response

Faster post-market signal detection, enabling earlier intervention and more proactive product stewardship.



Enterprise-wide

knowledge reuse

Higher knowledge reuse, transforming fragmented expertise into an enterprise asset that improves decision quality at scale.

Begin with a value discovery workshop

Define your MedTech AI roadmap across NPD, quality and traceability, cybersecurity, modernization and post-market.

Contact **nitin.kaura@hcltech.com** to request your discovery workshop.

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Progress™