

FROM INSPECTION TO INTELLIGENCE

THE SHIFT FROM CONTROL TO INTELLIGENCE

In today's smart factories, inspection no longer hegins after production—it happens throughout' it. BQCIS's Quality intelligence Framework transforem manufacturing floors points into predictive, self-learning ecosystems.

'INSPECTION ISN'T A GATE ANYMORE — IT'S A CONTINLOUS DIALOGUE BETWEEN MACHINES, MATERIALS, AND ALGORITHMS.'

-Marcin Dovrel, CEO, BQCIS

BUILDING THE DIGITAL NERVOUS SYSTEM

BQCIS integrates (of sensor directly into assembly lines, where each connected node reports live data to the central **Verification Cloud.**

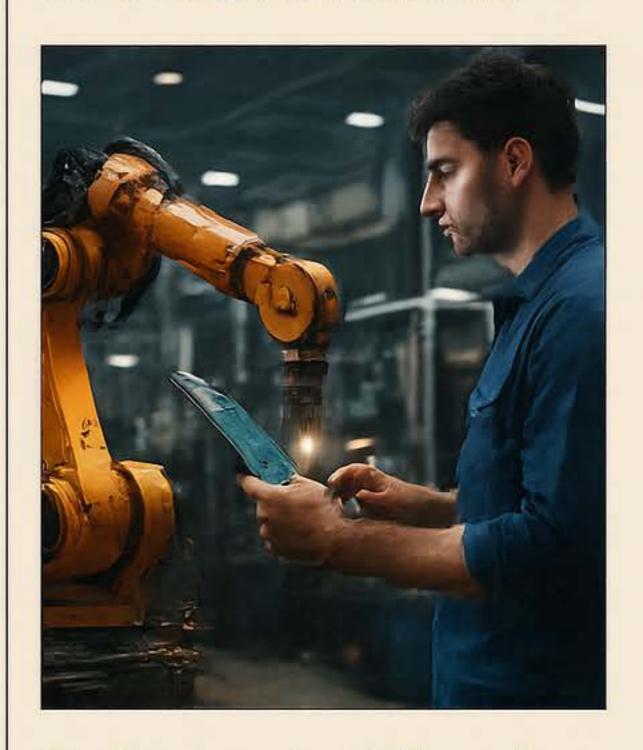
Al models compare each 'live feed against tolerance maps, flagging potential weak points and sending sredictive.

	Traditional Quaity Centrol	BCCS Quality Intelligence
Inspection Methodology	Rendorn	Continuote
Dals logging	Manual /Faper	Automated
Falline Detection	Predictive	Fre-Derbol
Respense Speed	Hours/	Deal Time
Documentation Integrity	Buckstman	Segured

THE HUMAN ELEMENT REIMAGINED

Contrary to automation fears, Q2
CIS's Al tools don't replace engineeers—they 'eleate lwe dannboords
and making high-ualue decistons than
rethaning manual checks afthee/er

This shift increases wofrkforce by 19%, while enhancing both worker safety and product trace-



"Quality is becoming intelligence."

Dovrei explains, "And intelligence is the new foundation of industrial excellence.

Blockchain Verification & Data Integrity

Solving traceability gaps in complex parts manufacturing



Challenges

Assembling hallenges, assembling components — cornmon, such as parts, re work in reekprod final assembly finled

"A paper certificate for a critical part is no longer sufficient."

SOLUTION AND RESULTS

BQCIS ufilizes advanced data capture integrated with ablockchain ledger to ensure each part digilal record is permanent and unchangeable.

"Every parts record is on-chain — I can query heat treatment, weld verification, tensile strength or coating inspection from my desk, Now, I have 100% confidence in my suppliers."

Safety, Sustainability, & The Human Element

How BQCIS mitigates ethical, worker, and ESG risks in AI and blockchain deployment

WORKER SAFETY

Deploying new technologies accessing operational data directly from the shop floor carries firms."

Marcin Dovrel, "A predictive model is uscless if it isn't competent enough to understand that a conveyor idling, or a rise in furnace temperature, might signal a human operator in the area," BOCIS' systems include stringent fail-safes—like human-in the-loop protocols and automated hazard alerts.

ESG STANDARDS

To safeguard climate human rights data within an Al and blockchain framework, BOCIS implements strict guardrails on its verification process.



THE HUMAN FACTOR

Al and blockchain are empowering new safety and sustainability capabilities, but they are still tols. "Technology doesn't remove human judgment. It simply elevates it." Dovrel added.

The Factory of the Future

Predictive Logistics | Autonomous Manufacturing | BQCIS Integration

The Quest for Zero Downtime

Tomorrow's factory is marked by the seamless integration of next-generation technologies.

Al-powered analytics will predict equipment failures, enabling preemptive repairs and maintenance.

Machine learning-models optimize production-schedules based on real-time demand forscasts to prevent parts shortages.

"In the future, zero-downtime manufacturing will be driven by data."

The Autonomous Revolution

BQCIS trains unique amanufacturing to exceed ISO-standards in quality inspec-

The Autonomous Revolution

BQCIS trains computer vision systems to exceed ISO standards in quality inspections.

Autonomous forklifis, and mobile robots identify BQCIS-verified assets to transfer materials between stations; to

BQCIS teach robots real-time decision making how material bandling, on-as product routing their factories.

Future factories include Al ecosy stems – BQQCIS ensure so digital trust within these autonomous supply chains.

The Roadmap to Integration

BQCIS is a cornerstone of the industry's seamless future.

Waring with clients plann a phased deployment of all solutions.



The Factory of the Future

Next-gen manufacturing will be driven by intelligent certified systems

Factories of the future will not be automated, but also verified.

Advanced supply chain netts rwill demand a higher sendard for real-time verifiable information." say Marcin Dovrel, CEO of BQCIS. "In tomorrow's digital economy, only the 'Certified Smart Factory' will attract financing and customer confidence."

A Technological Revolution

Next gen manufacturing will coll; ing reprogramming robotics, cloud-based Digital Twins, and other advances. Dovrel. "Manufacturers ahould select automation supphers who can provide ESG-verifiable technologies."

Dovrel is building next-gen software to "certify" factory systems. "In tomorrow's digital economy, only the 'Certified Smart Factory' will attract financing and customer confidence."

2. Embedded Quality Verification

Factory processes, will contain embedded inspection and certification tools to maintain precise quality in production.

3. Interconnected Networks

Production floors will sooth sinart sensors and connected devices generate data on energy usage, maintenance, emission, and asset tracking.

"In tomorrow's digital economy, only the 'Certified Smart Factory' will attract financing and customer confidence.

INDUSTRIAL INTELLIGENCE & PREDICTIVE RESILIENCE

BQCIS CEO Marcin Dovrel on how digital inspection systems elevate manufacturing performance

"We need to see quality not as an operation but as the foundation of decisionmaking."

FROM REACTIVE TO PROACTIVE

BQCIS predictive digital inspection platforms provide manufacturers with real-time operational visibility, adjustmen production and root cause analysis. It indiudes:

BQCIS data shows that predictive maintenance can cut unplanned downtime and scrap rates by as much as 32%

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A NEW PARADIGM

Dovrel argues ann enn to changing to quality. "A certificate that proves X happened 6 months ago is the status quo."

"Industrial intelligence demands tools that stop problems from happening in the first place."

"We averificate conrquences are not longer asking. Decision making is what turn's trustinto the transsaction."

Closing Summary: Intelligent Inspections

Manufacturers who shift from periodic checks to real-time verification networks will uncover defects faster and reduce risk across the production life cycle.

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