QH8
TECHNOLOGIES

Technical Deployment Specification

QH8 Deployment | Non-Invasive Infrastructure Telemetry

Physical-layer evidence for critical infrastructure without disrupting operations, modifying equipment, rewriting control logic, or requiring access to internal IT networks by default.

1 CORE DEPLOYMENT VALUES

1 No Production Disruption

No cable cutting, splicing, live-circuit modification, machinery modification, or planned production downtime by default.

2 No PLC / SCADA Control

QH8 observes operational behavior. It does not rewrite control logic, alter SCADA commands, or command production equipment.

3 Network-Isolated by Default

No corporate Wi-Fi, internal LAN, factory intranet, or SCADA network access is required by default.

4 Edge-Level Resilience

If external connectivity drops, the edge node can retain telemetry locally and synchronize approved records when connectivity is restored.

5 Facility-Controlled Data

The operator remains in control of raw telemetry, reports, exports, permissions, and reviewer access.

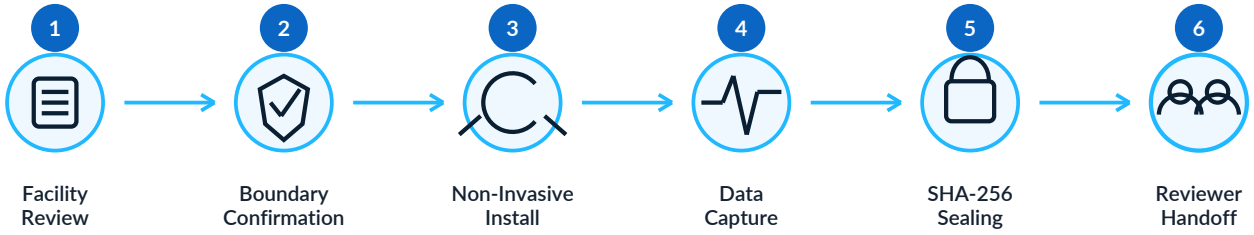
6 Evidence-Ready Output

Reports can include boundaries, timestamps, missing-channel disclosures, methodology notes, and SHA-256 integrity records.

QH8 is the technical evidence layer underneath audit, insurance, compliance, and infrastructure review. It supports reviewers; it does not replace statutory auditors, regulators, or certification bodies.

2 DEPLOYMENT PATH

A standard deployment is designed to start small, prove value, and scale only where the commercial and operational case is clear.



3 PRE-DEPLOYMENT SCOPE

Before technical deployment, QH8 confirms the facility boundary, target infrastructure area, electrical access conditions, and cybersecurity rules. Only information required for the agreed deployment scope is reviewed.

Electrical single-line diagram or equivalent layout	Identify main distribution paths, switchgear, transformers, feeders, and safe telemetry points.
Target equipment, load groups, or production areas	Define the commercially relevant measurement boundary for the review.
Existing meter data, utility bills, or operational records	Provide context for telemetry interpretation and baseline comparison where available.
Site safety procedures and IT / OT cybersecurity rules	Confirm access requirements, network boundaries, approval paths, and operational constraints.

4 EVIDENCE-READY OUTPUT

- Measurement boundaries
- Timestamped records
- Missing-channel disclosure
- Integrity verification

Captured telemetry can be converted into structured technical reports for internal teams, buyers, auditors, lenders, insurers, infrastructure stakeholders, and approved reviewers. The objective is clean evidence transfer: what was measured, what was excluded, when it was captured, and how integrity can be checked.

5 OPERATIONAL BOUNDARY

QH8 is deployed as an observation and evidence-structuring layer. The system is designed to avoid interference with production control systems and facility cybersecurity boundaries.

QH8 does	QH8 does not
Observe electrical and operational behavior from agreed facility boundaries.	Control production equipment or modify PLC / SCADA logic.
Structure telemetry into technical evidence records and reports.	Require internal Wi-Fi, corporate intranet, or SCADA access by default.
Support audit, insurance, compliance, infrastructure, and commercial review workflows.	Issue statutory audit opinions or replace regulators, certification bodies, or official reviewers.
Provide measurement boundaries, methodology notes, and integrity records.	Provide legal, tax, or customs advice; guarantee buyer, insurer, regulator, or customs acceptance.

6 TECHNICAL HANDOFF PACKAGE

A deployment handoff can be tailored to the facility and reviewer requirements. A standard package may include the following components:

Facility profile and deployment scope	Describes the site boundary, targeted area, equipment group, or infrastructure zone included in the review.
Telemetry summary and operational analysis	Summarizes captured behavior, detected anomalies, operating patterns, and relevant measurement period.
Data boundary and missing-channel disclosure	Identifies what was measured and what was not instrumented, avoiding unsupported assumptions.
SHA-256 integrity record	Provides a tamper-evident integrity check for the dataset or report package after sealing.
Reviewer handoff summary	Prepares a clear package for authorized internal teams or external reviewers.

Request a pre-deployment review: QH8 can evaluate the facility boundary, cybersecurity requirements, and target infrastructure area before any technical deployment begins.

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