



Sample Phase 1 - Architecture Reconstruction

Short website version

Website sample

Simplified fictional example based on a real legacy medical device software scenario.

Phase 1 turns scattered legacy knowledge into an explicit current-state architecture baseline.

What gets reconstructed

System area	Example reconstruction output
Embedded device	Polling, timestamping, sessions, storage, power, indication, dump protocol
PC software	Transport, protocol, import, parser, visualization, CSV export
Runtime behavior	Power-on to recording, stop conditions, dump flow
Interfaces	Sensor path, storage API, session control, parser input
Verification relevance	Hard-to-test logic and required system evidence

Typical findings

Finding type	Typical observation
Boundary clarity	Responsibilities are understandable at high level but not explicit in implementation.
Lifecycle logic	Start / stop behavior is central but often spread across modules.
Storage / protocol	Transfer may be tightly coupled to storage layout.
Verification baseline	Manual tests dominate and automated coverage is too weak for safe refactoring.

What the client gets from Phase 1

- Current-state architecture view
- Software item map and interfaces
- Verification baseline summary