

Reported by Invent Design Build Ltd.

aqua Delivers Traceable Testing for Safety-Critical Embedded Systems

ABOUT THE CUSTOMER

Invent Design Build Ltd. is a growing engineering consultancy based in East Kilbride, Scotland, specializing on product development solutions for medical, industrial, and commercial embedded systems. Founded in 2017, the company has evolved from a single-person operation into a technical consulting leader.

” CUSTOMER QUOTE

“Aqua improved our successes in providing quality software to our clients that simply worked first time. It enabled us in giving our clients confidence, allowing us to show them our test coverage and detailed test cases / test scenarios.”

Before

DISJOINTED TESTING

Prior to adopting aqua, Invent Design Build relied on a fragmented set of tools—SonarCube for static code analysis, TestLink for manual functional testing, and spreadsheets for UI validation—creating a disconnected testing process. Lacking integration, it proved difficult to maintain comprehensive test coverage or demonstrate full traceability to requirements, especially in safety-critical medical device projects. Visualizing coverage gaps and linking outcomes to regulatory needs was cumbersome, slowing down testing cycles.

- ✗ Challenging to set connection of test results to requirements for compliance reporting
- ✗ Difficult to visualize test coverage and identify gaps
- ✗ Manual testing cycles without script automation
- ✗ Lacked confidence and transparency for audits

After

SEAMLESS TRACEABILITY

aqua unified Invent Design Build’s testing into a single, agile platform—combining manual and automated tests, Python scripting, and powerful API integrations—all tracked in real time. Automated traceability from requirements to test results made compliance straightforward, while dashboards and AI-powered features visualized coverage instantly. aqua empowered the team to shift toward test-driven development and regression automation, delivering quality-tested, regulatory-ready software to clients—while supporting ongoing growth and maintaining high standards without scaling manual effort.

- ✓ Unified management and automation of both manual and scripted tests
- ✓ Real-time traceability for regulatory compliance and audit readiness
- ✓ Instant visualization of coverage, gaps, and release readiness
- ✓ Greater client confidence, driven by transparent test scenarios



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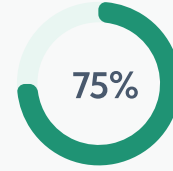
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